

FIG. 2

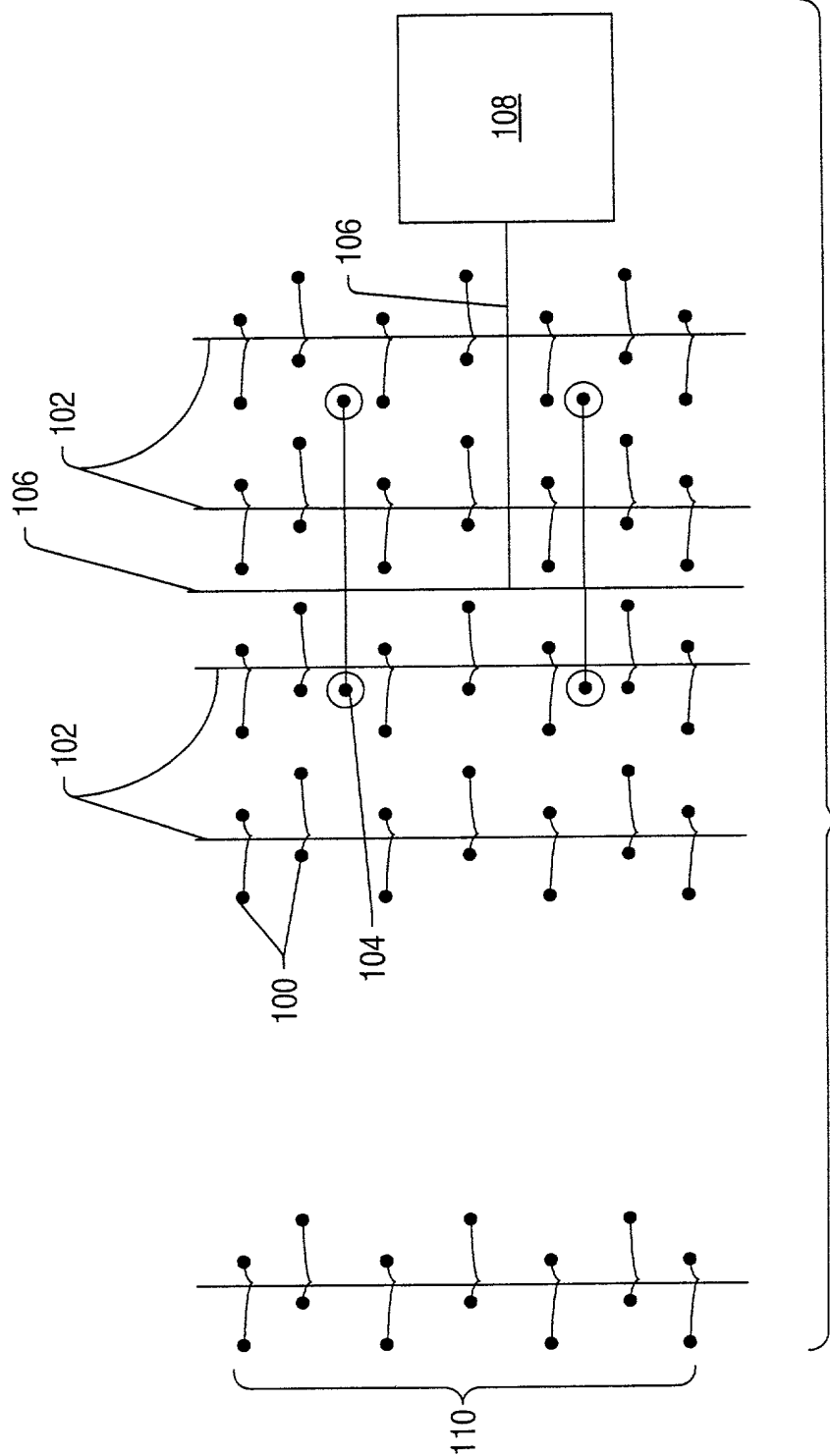


FIG. 3

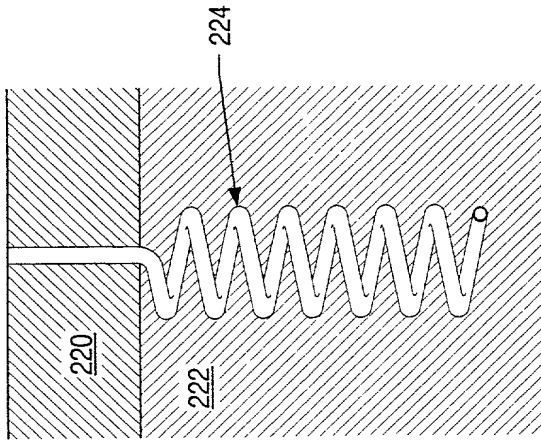


FIG. 3a

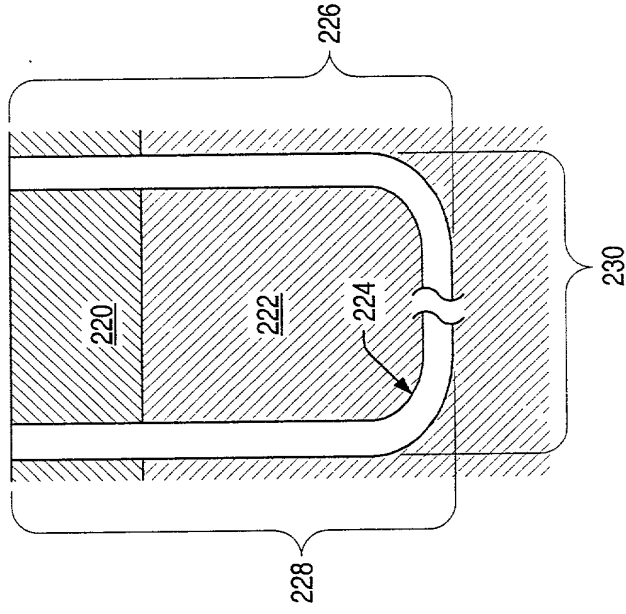


FIG. 3b

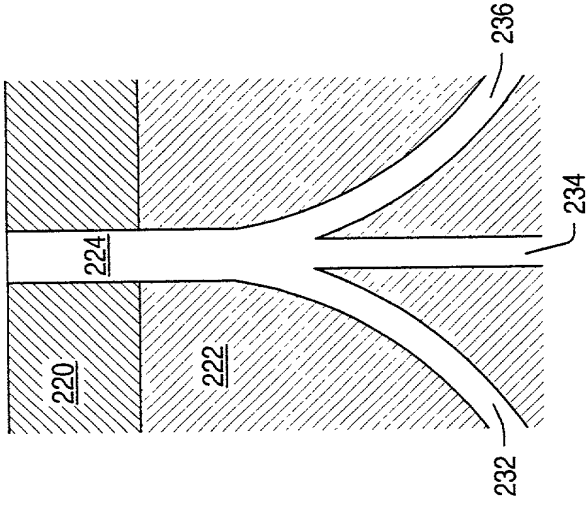


FIG. 3c

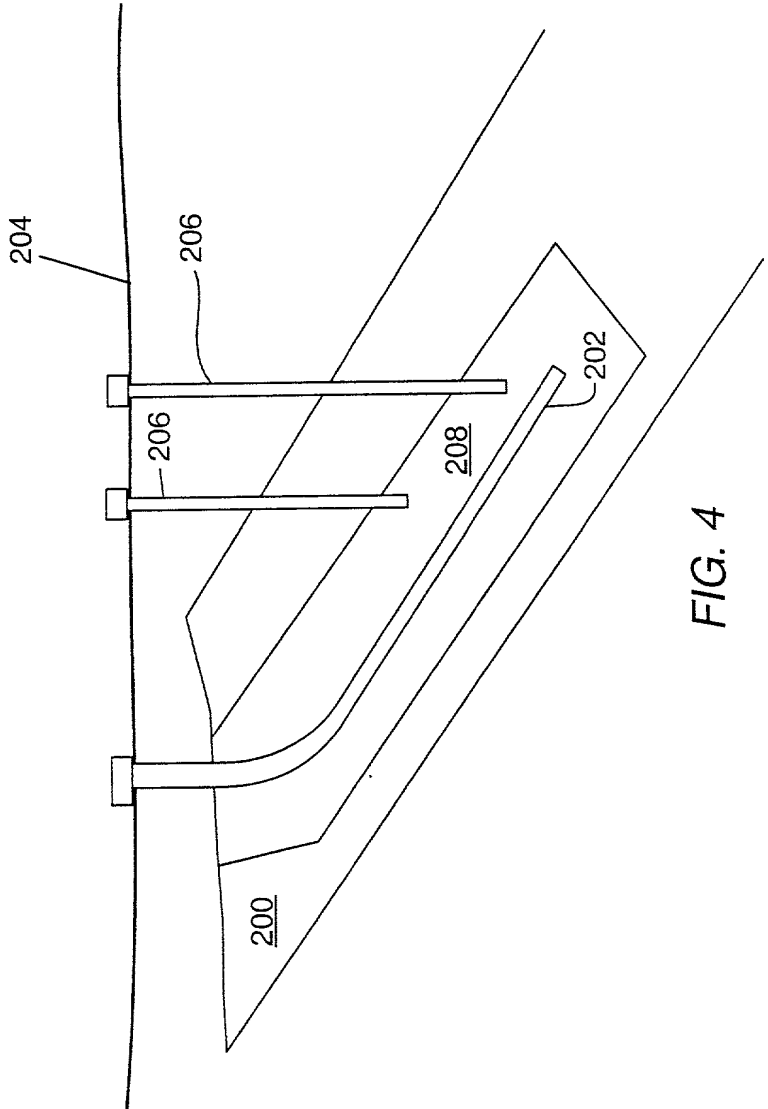
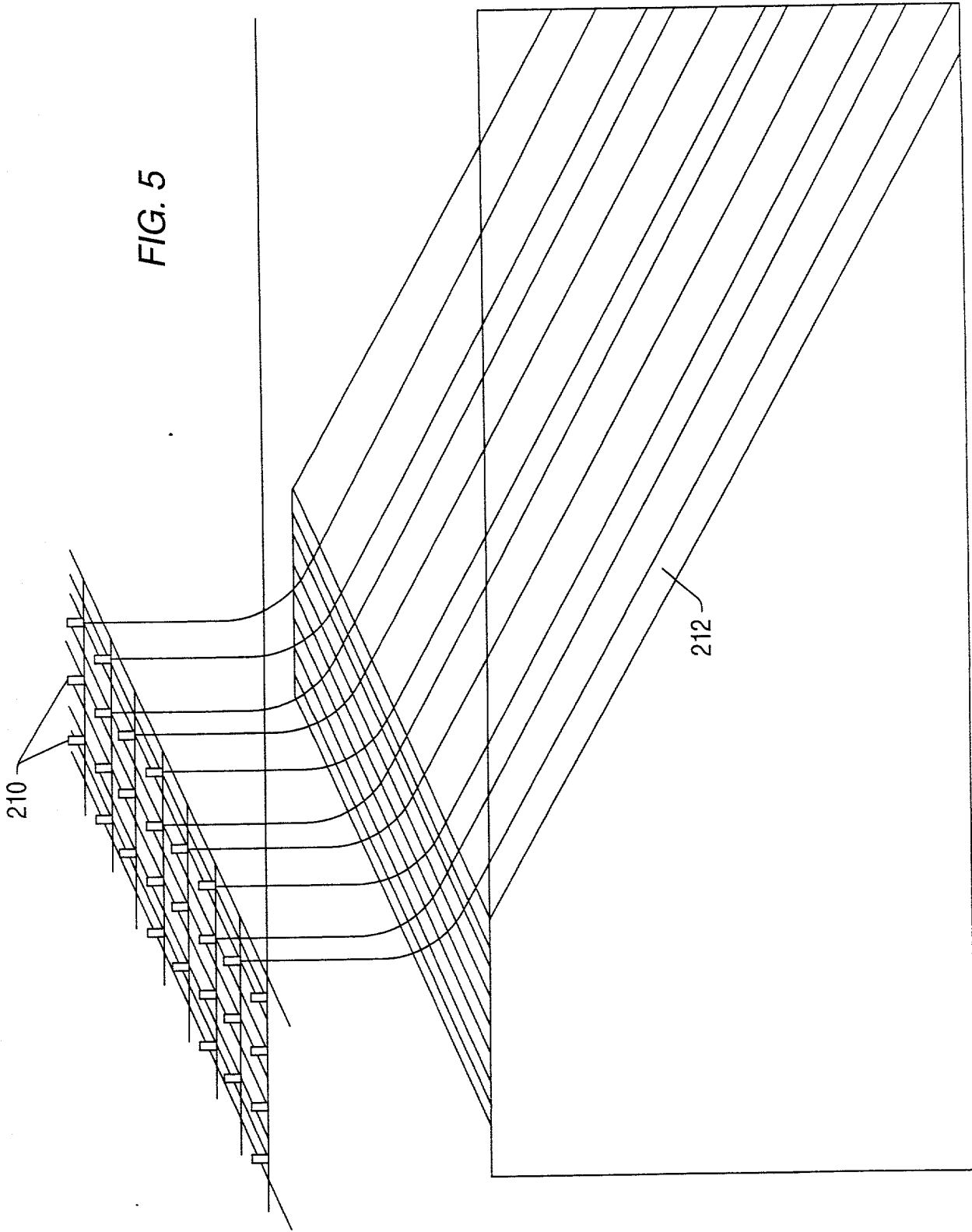


FIG. 4



09644296.04401  
FIG. 240" 952T4860

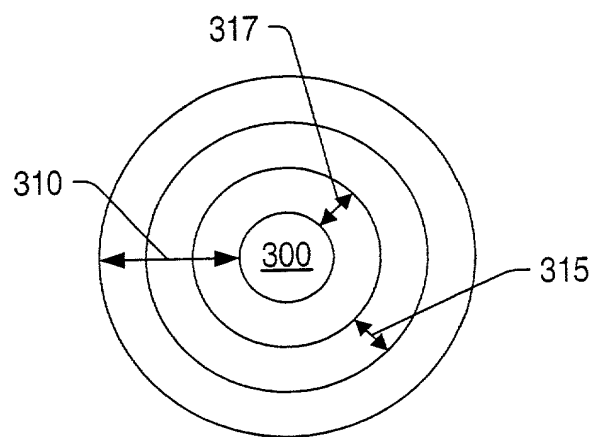


FIG. 6

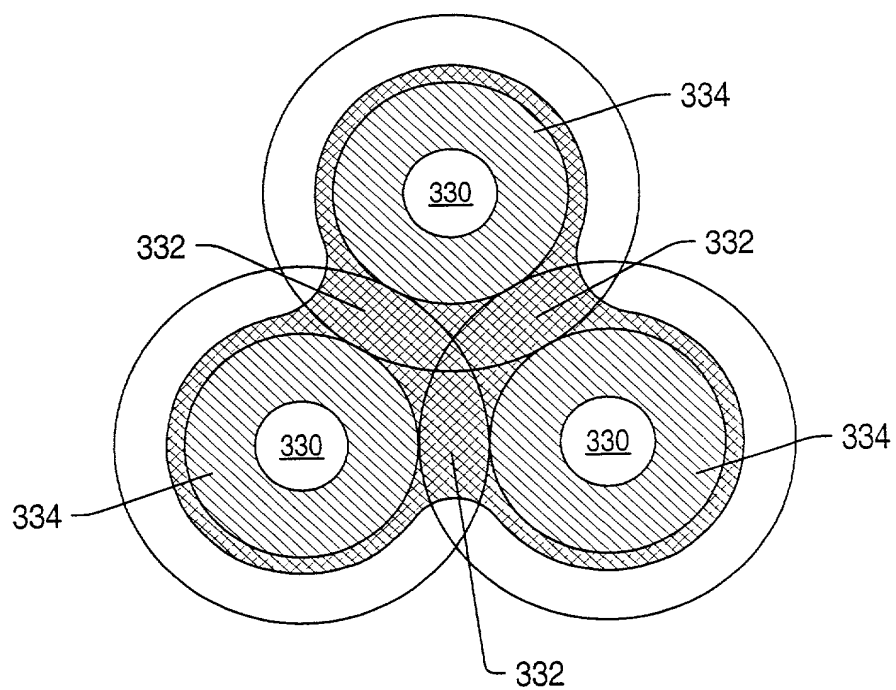


FIG. 7

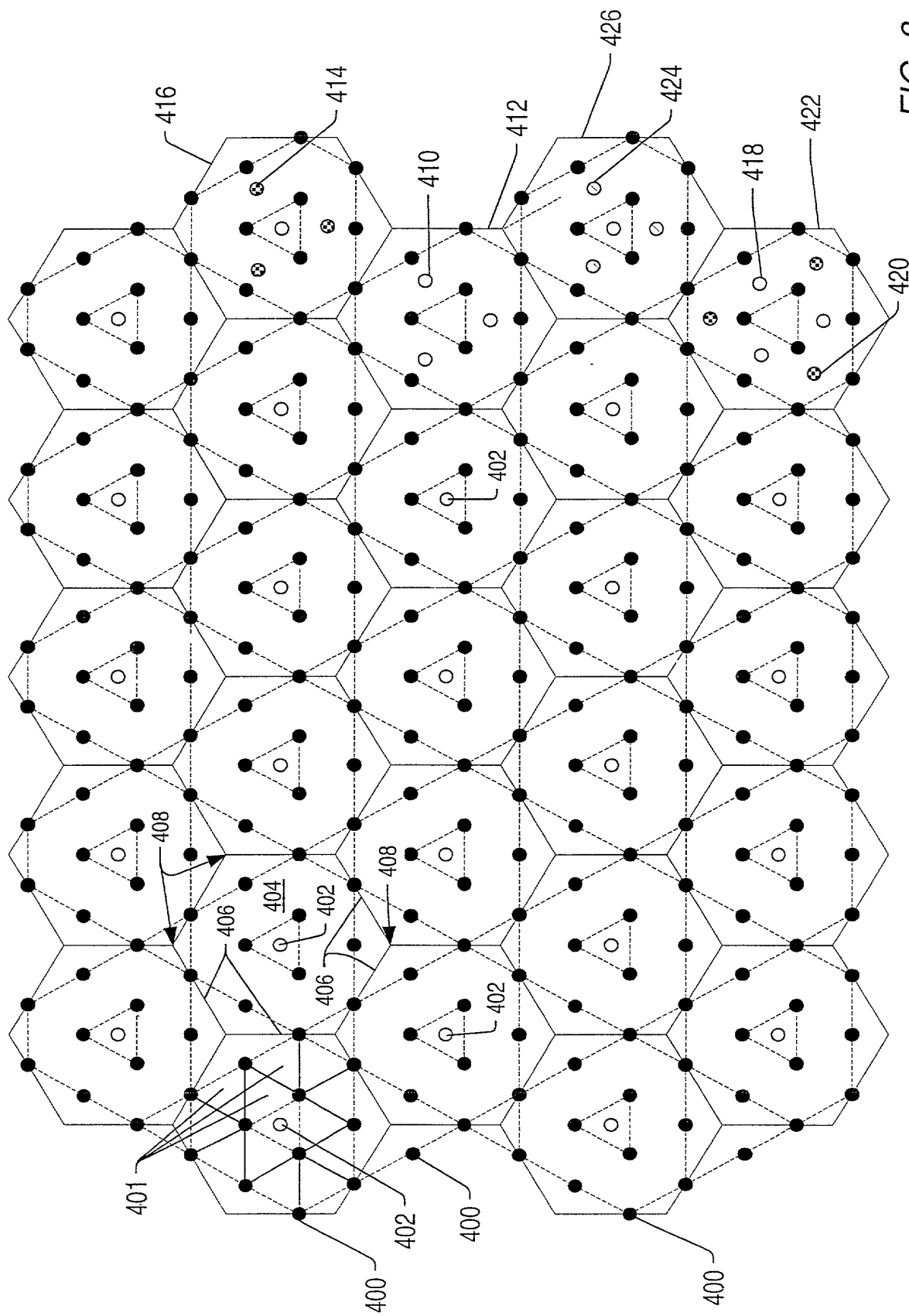


FIG. 8



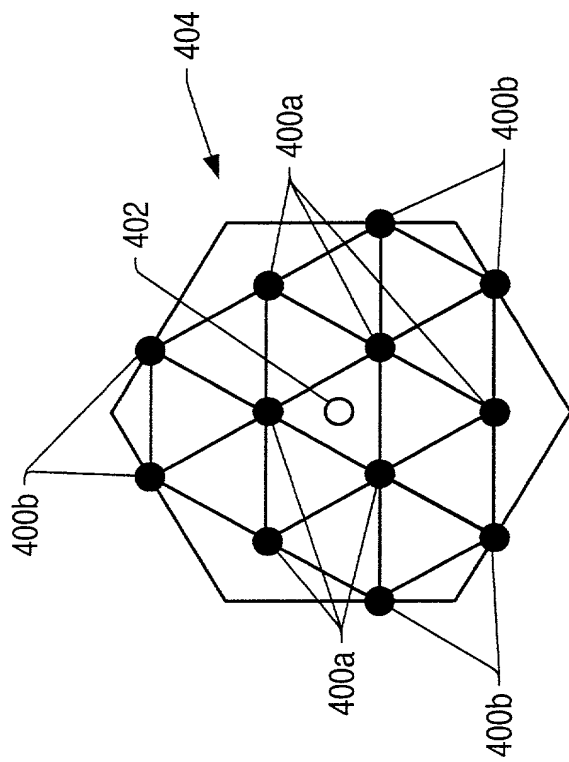


FIG. 9

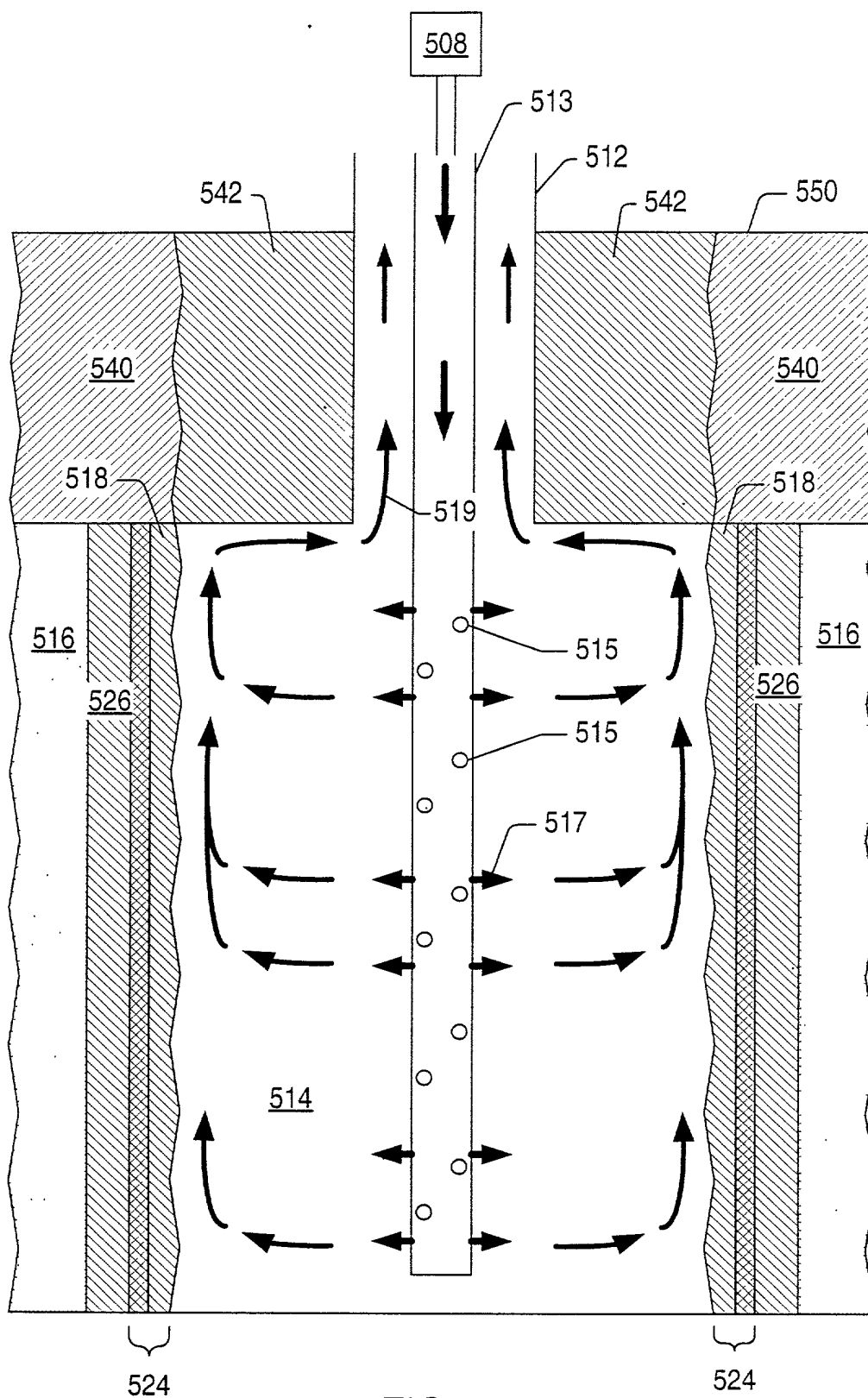


FIG. 10

A cross-sectional view of a semiconductor device. A central vertical structure 512 is shown, with a smaller protrusion 513 at its top. This central structure is surrounded by a layer 540. Within this layer, there are two distinct regions: a central region 544 and two side regions 542. The top surface of the layer 540 is indicated by 550. The bottom of the device shows two large regions 514 and 516, which are separated by a vertical line.

FIG. 12

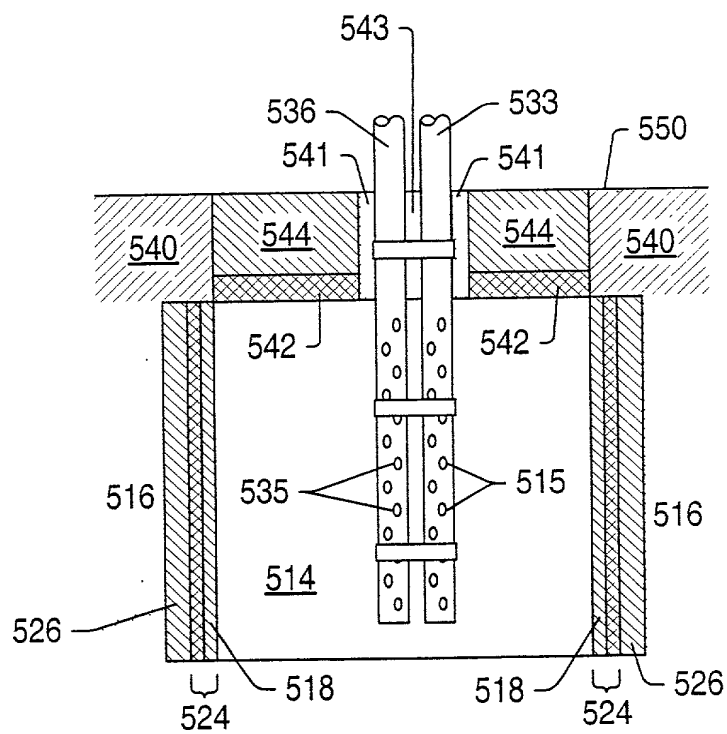


Fig. 13

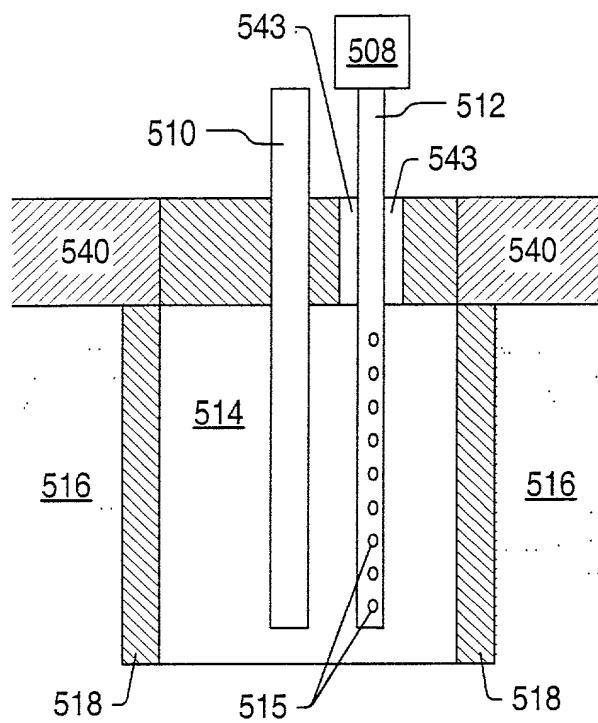


FIG. 14

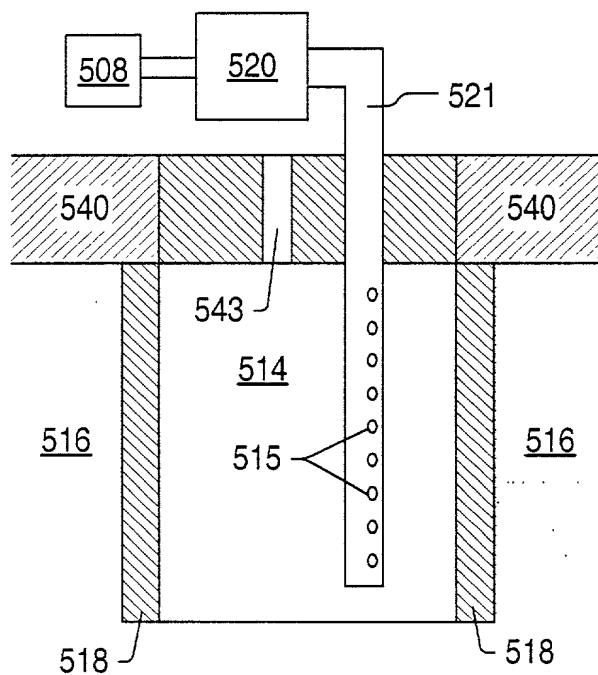


FIG. 15

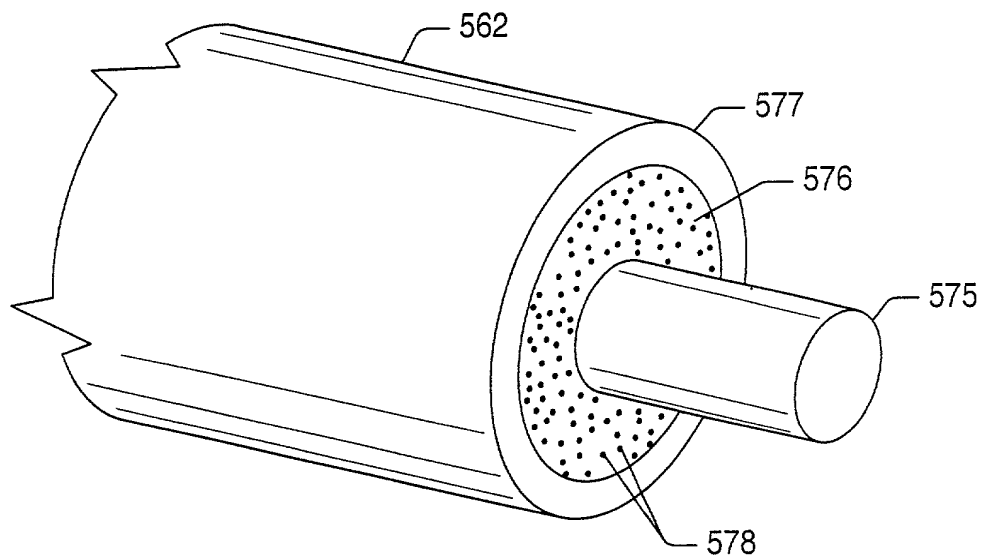


FIG. 16

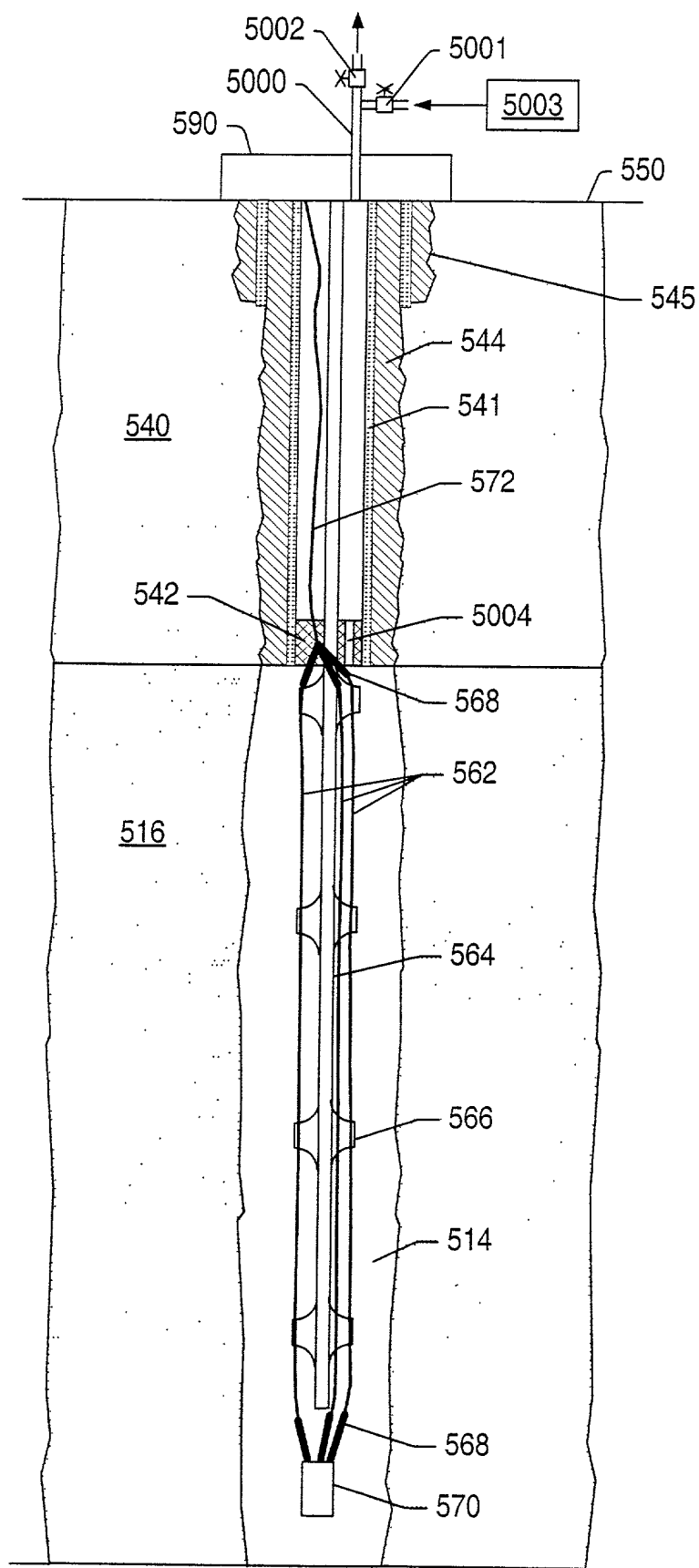


FIG. 17

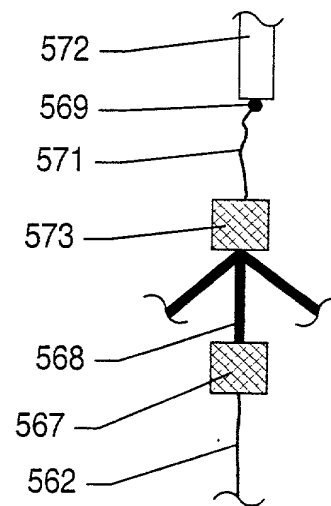


FIG. 17A

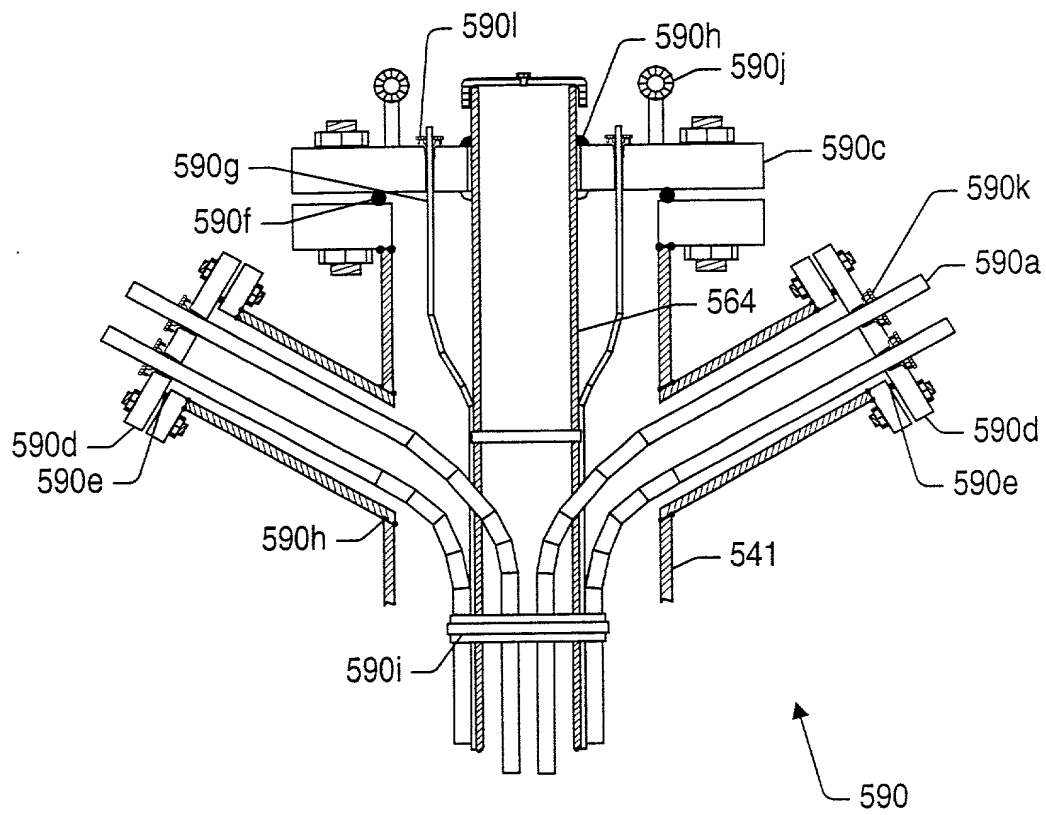


FIG. 18



FIG. 19

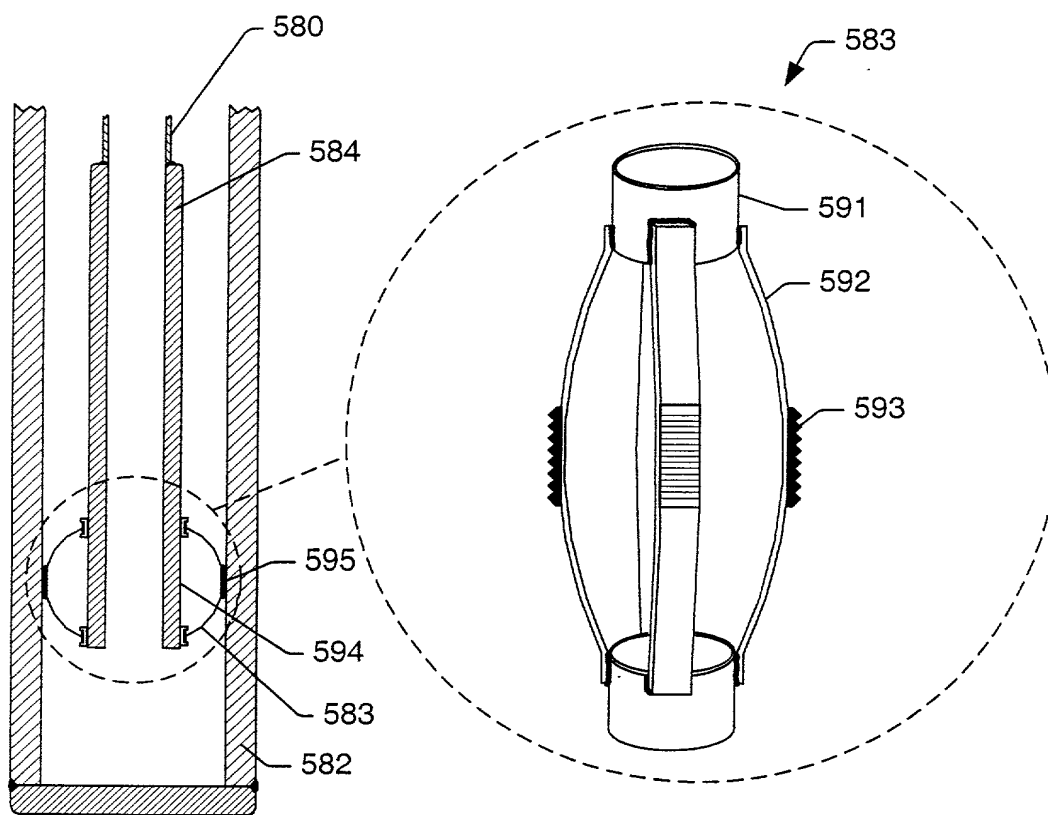


FIG. 20

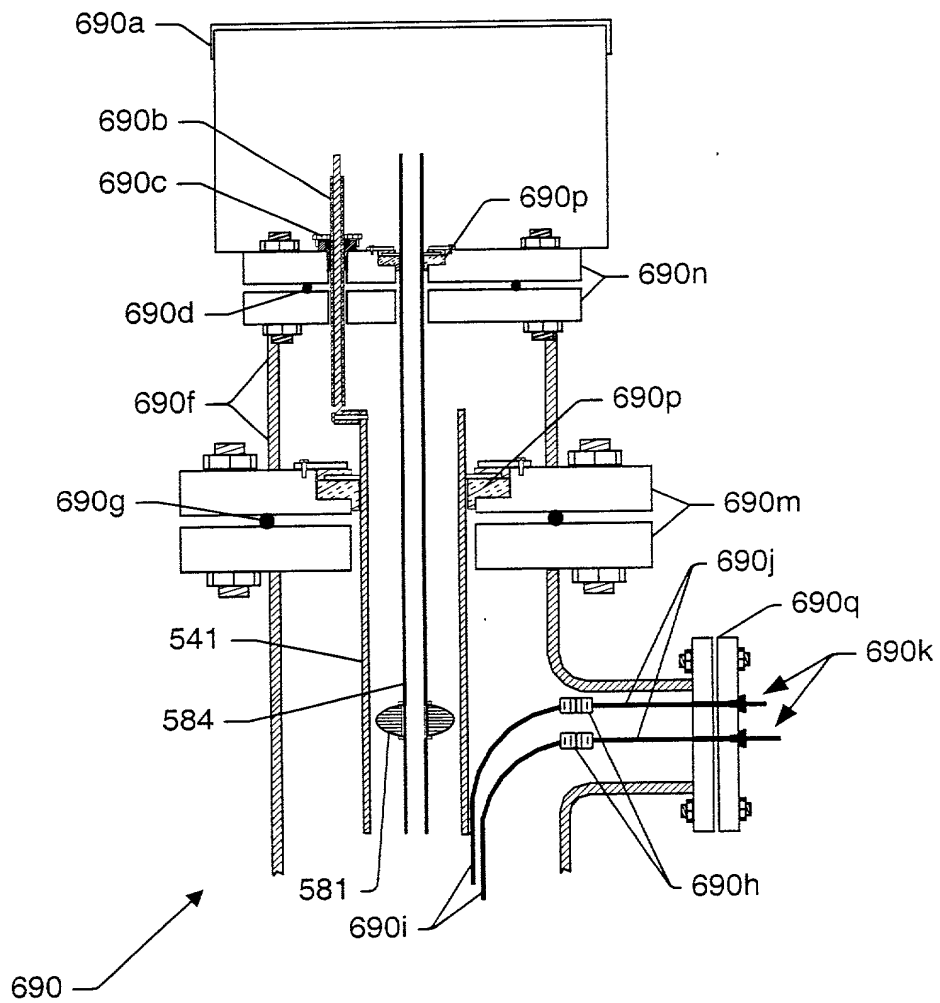


FIG. 21

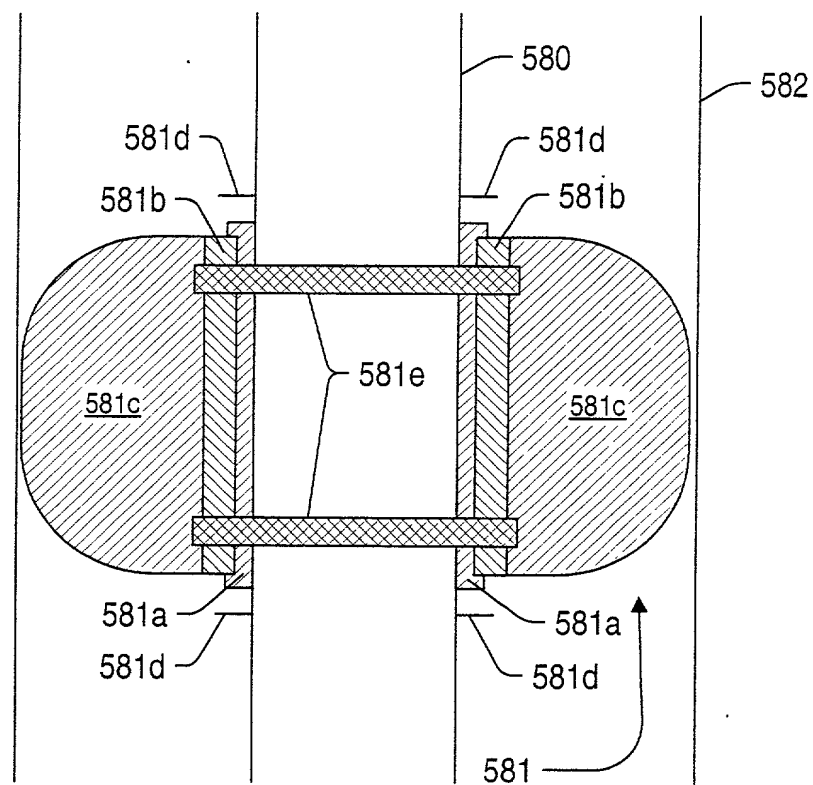


FIG. 22

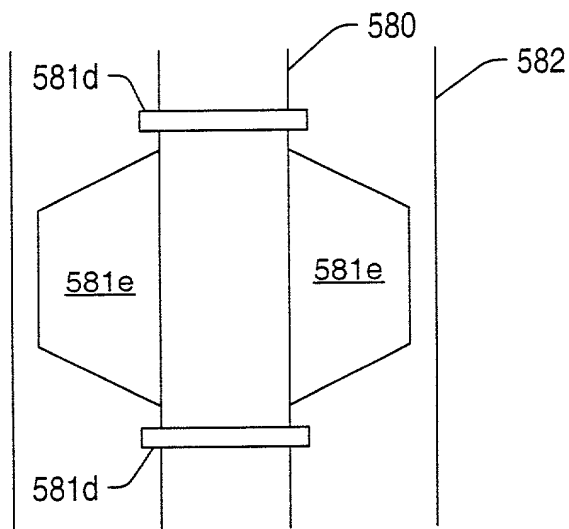


FIG. 23a

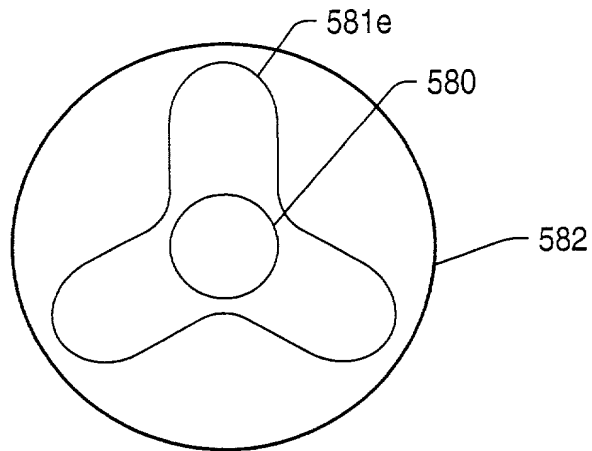


FIG. 23b

09419410 95214860

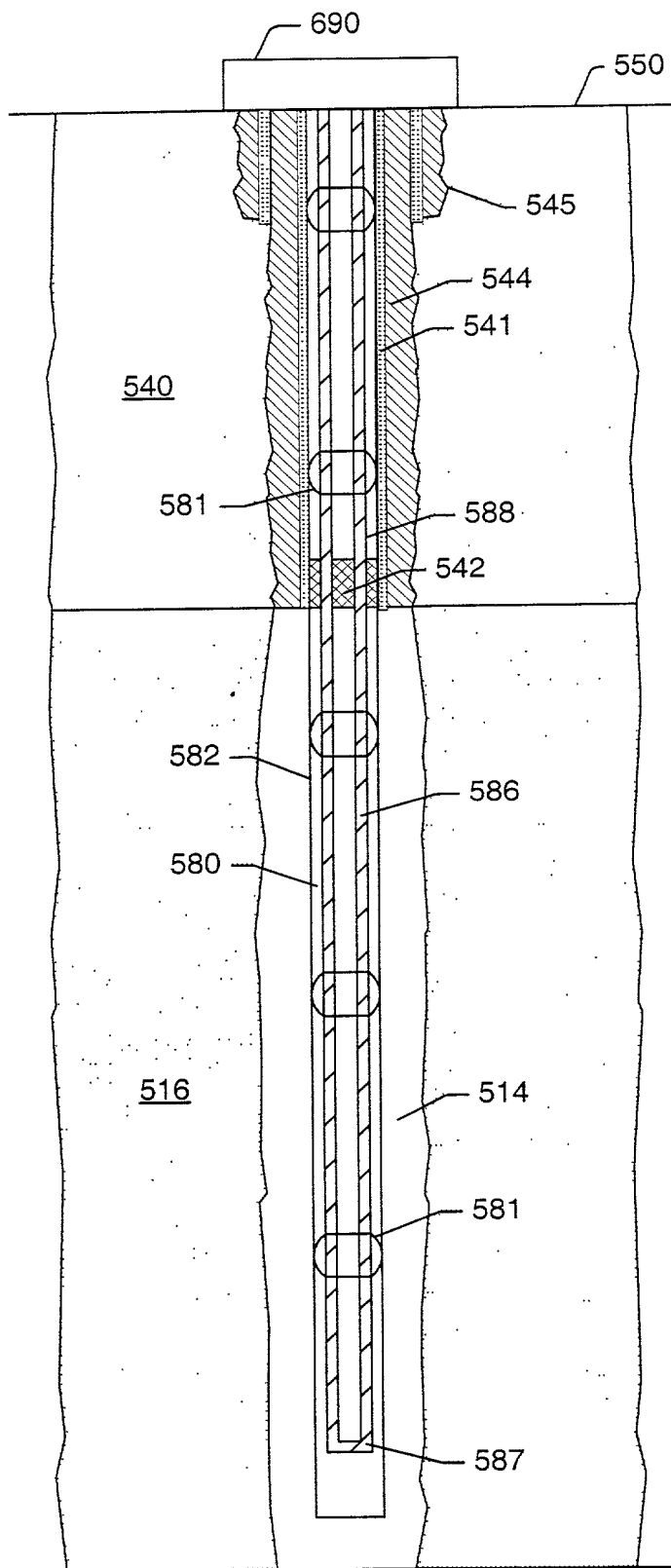


Fig. 24

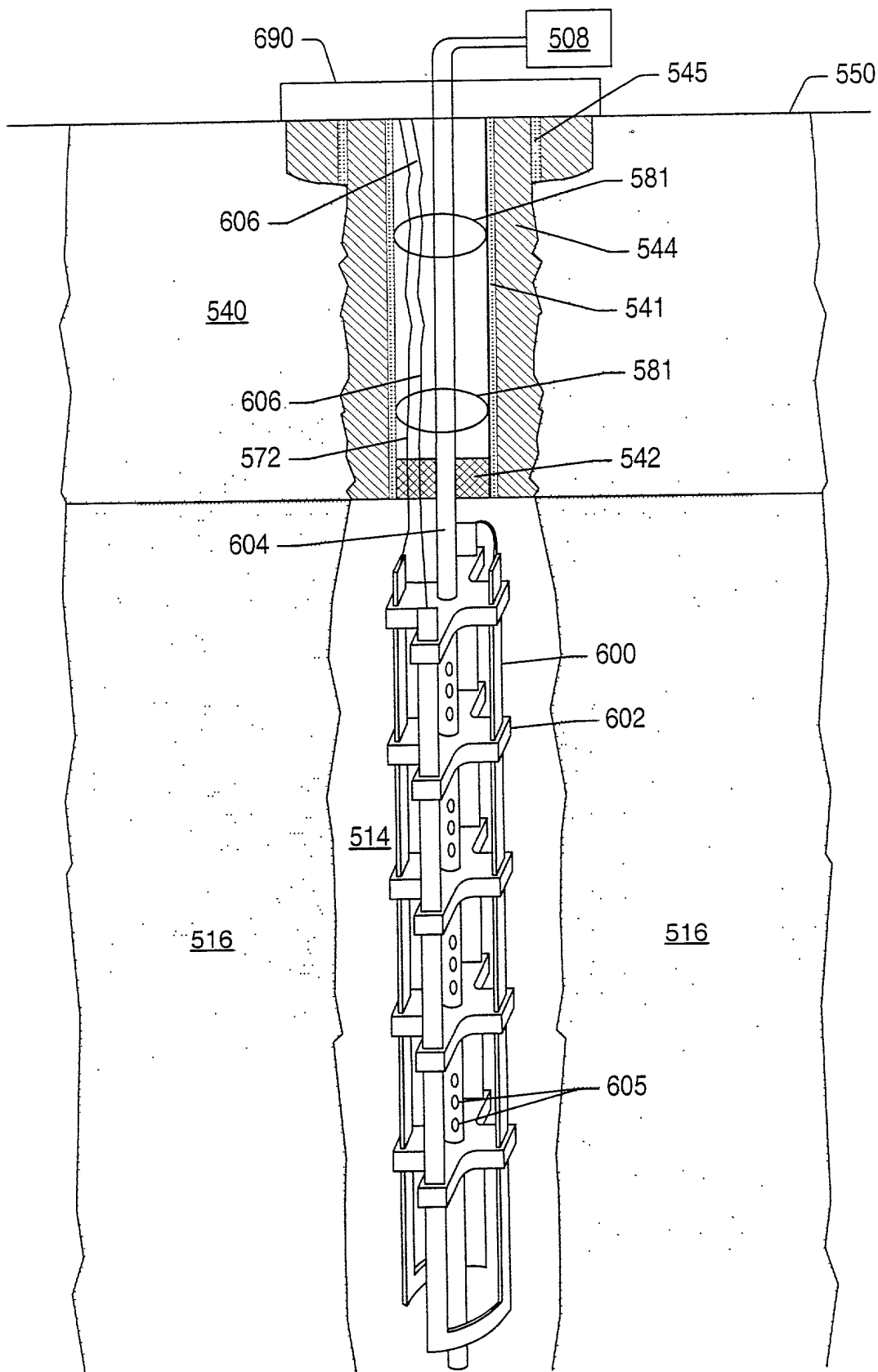


FIG. 25

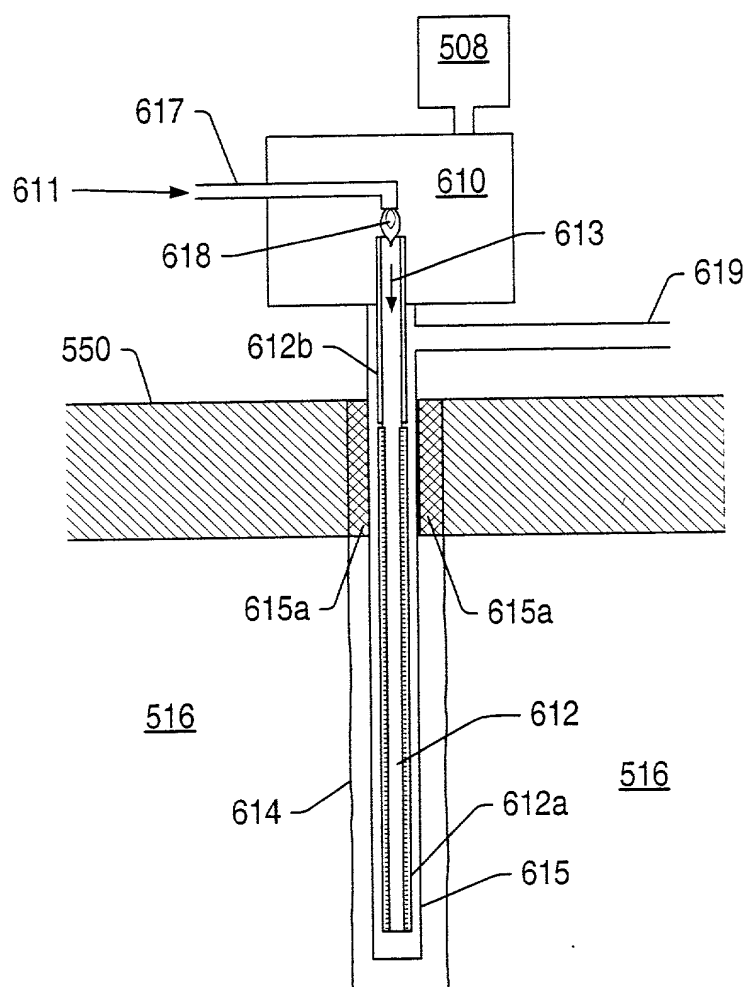


FIG. 26

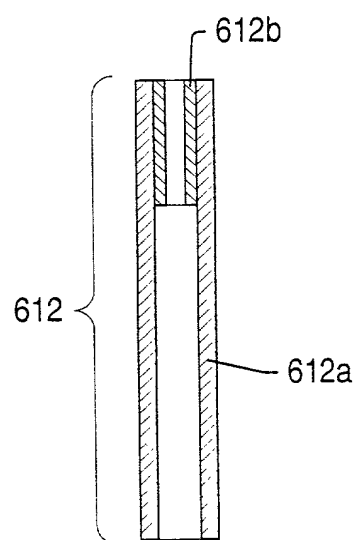


FIG. 27



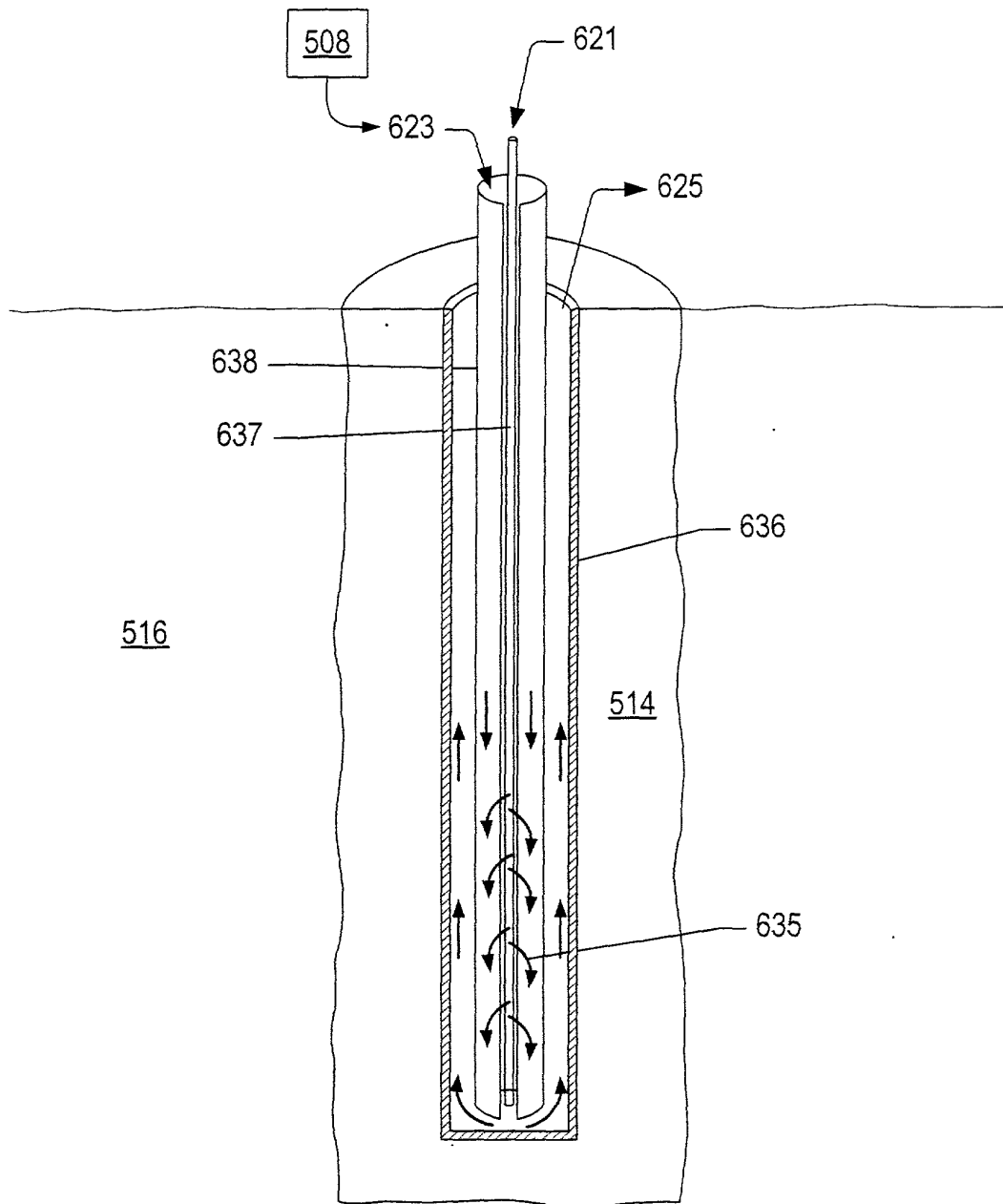


FIG. 28

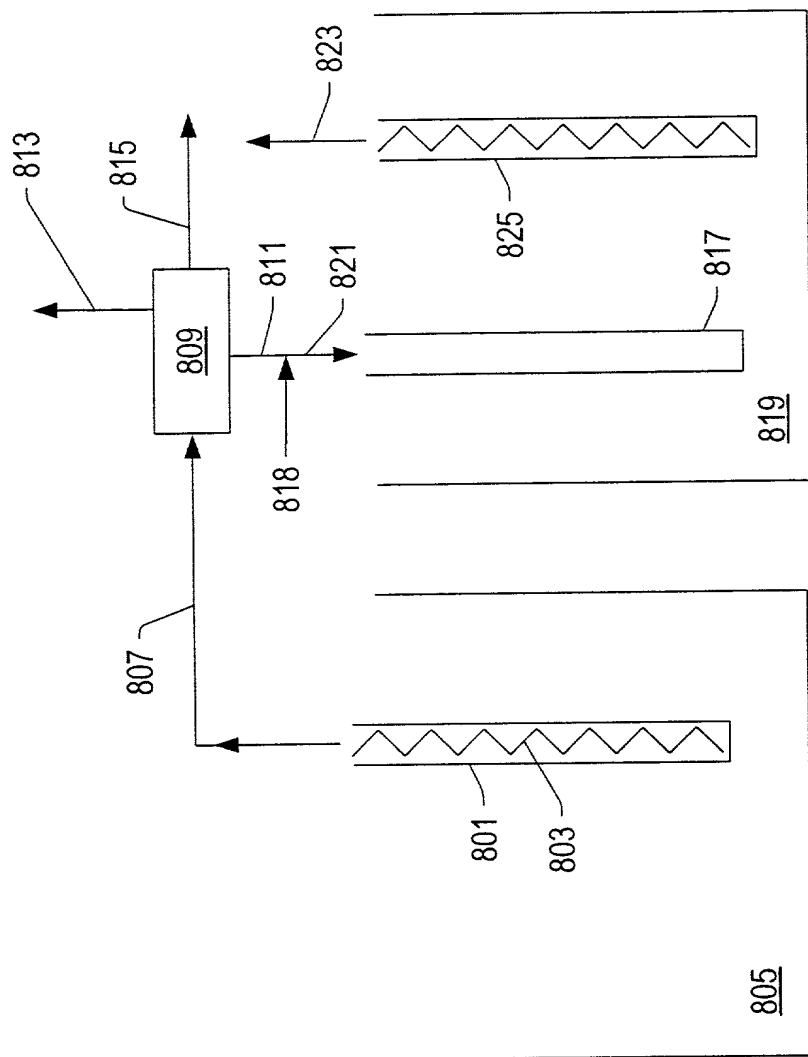


FIG. 29

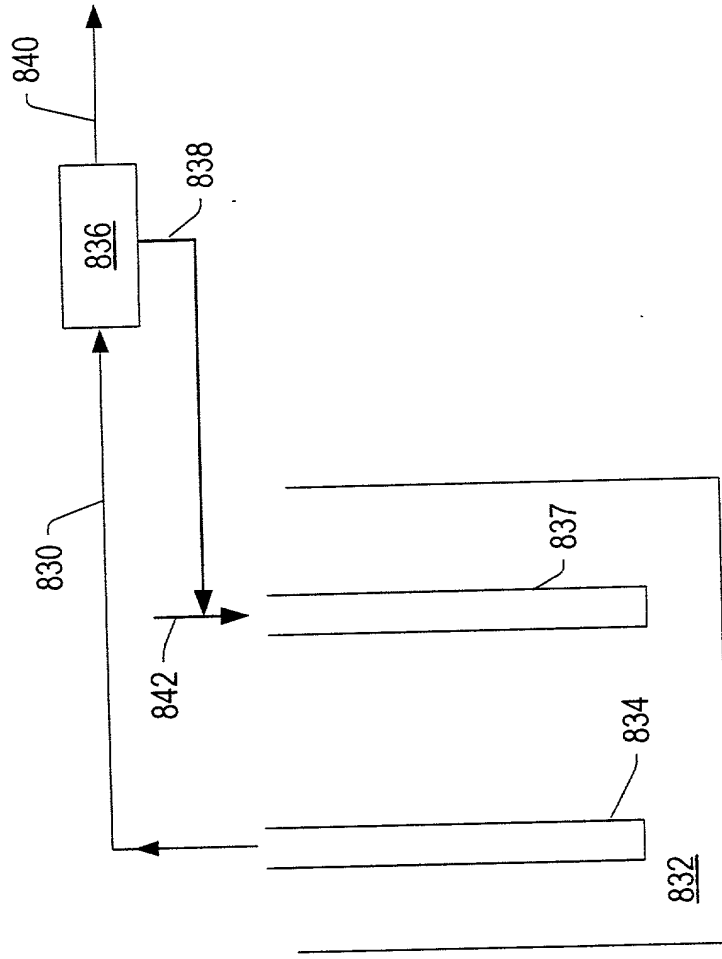


FIG. 30

09341296 042401

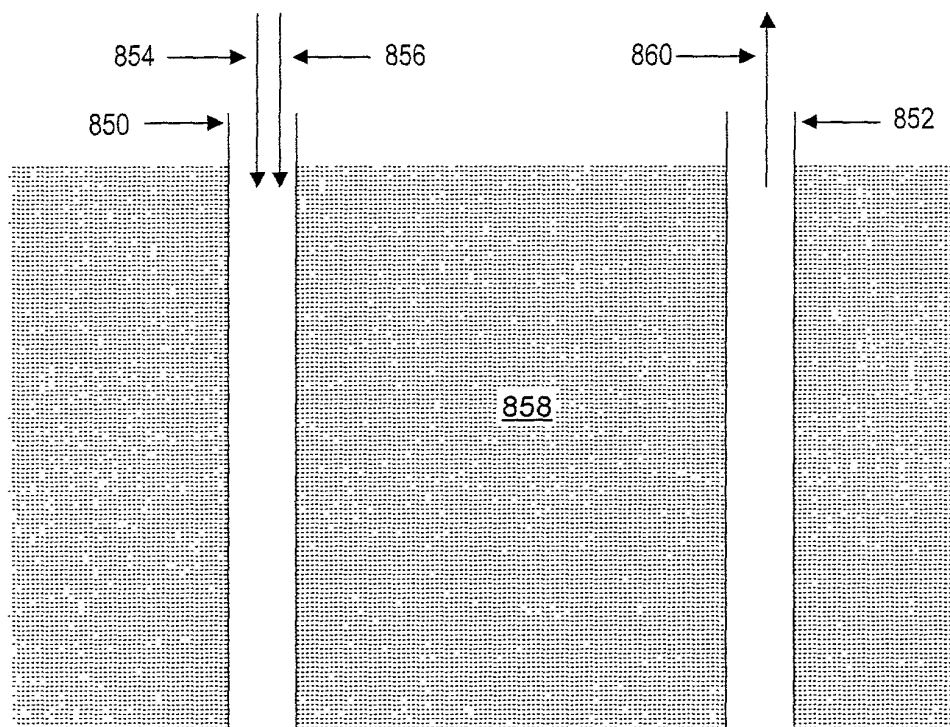


FIG. 31

09841296 042401

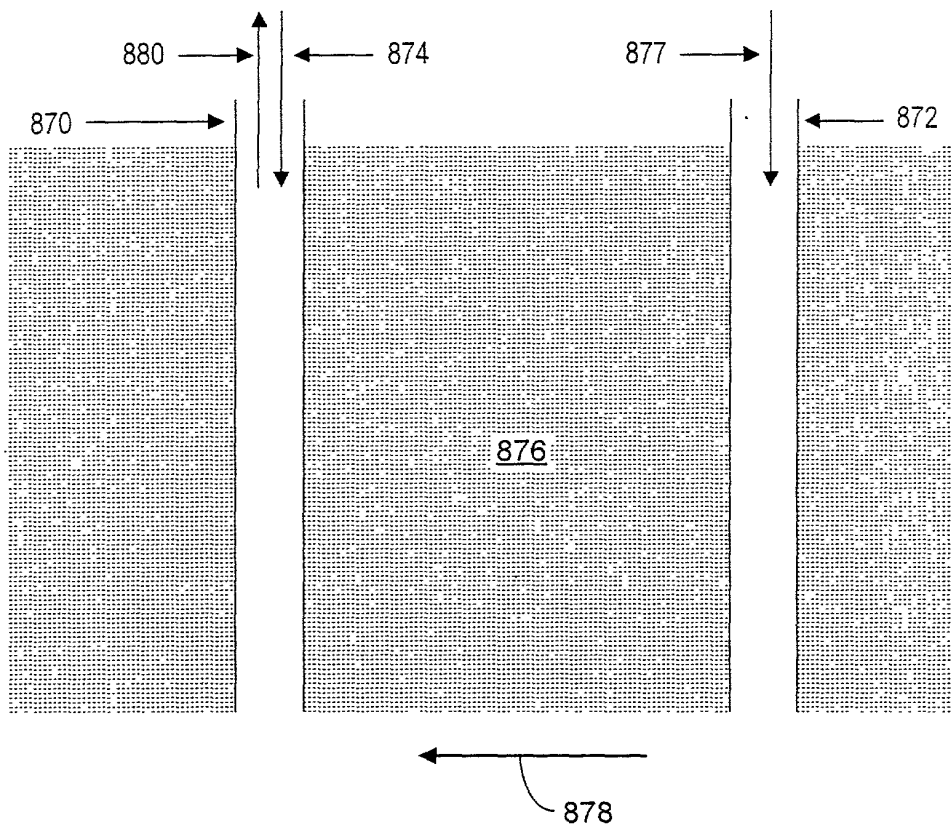


FIG. 32

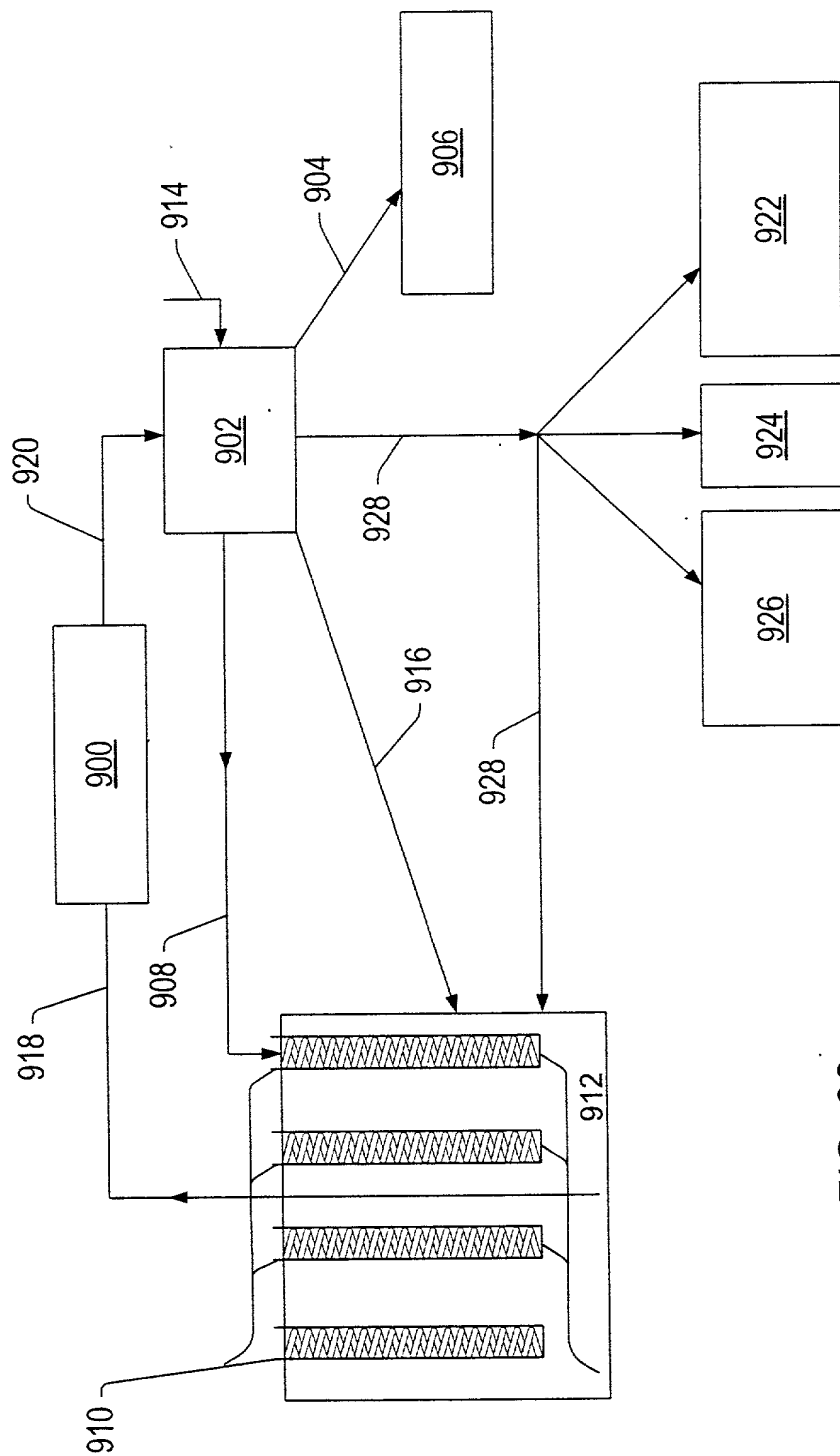


FIG. 33

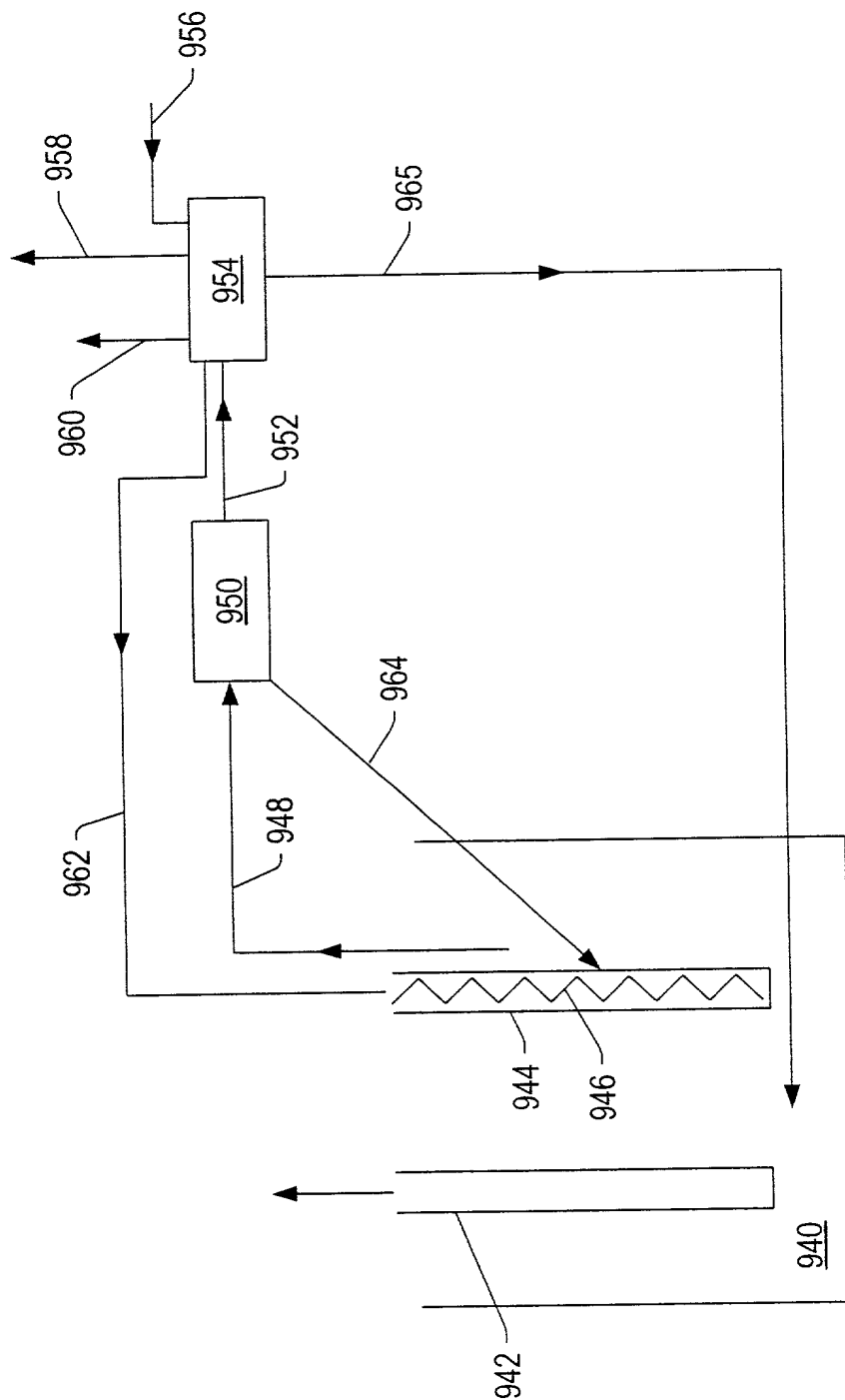


FIG. 34

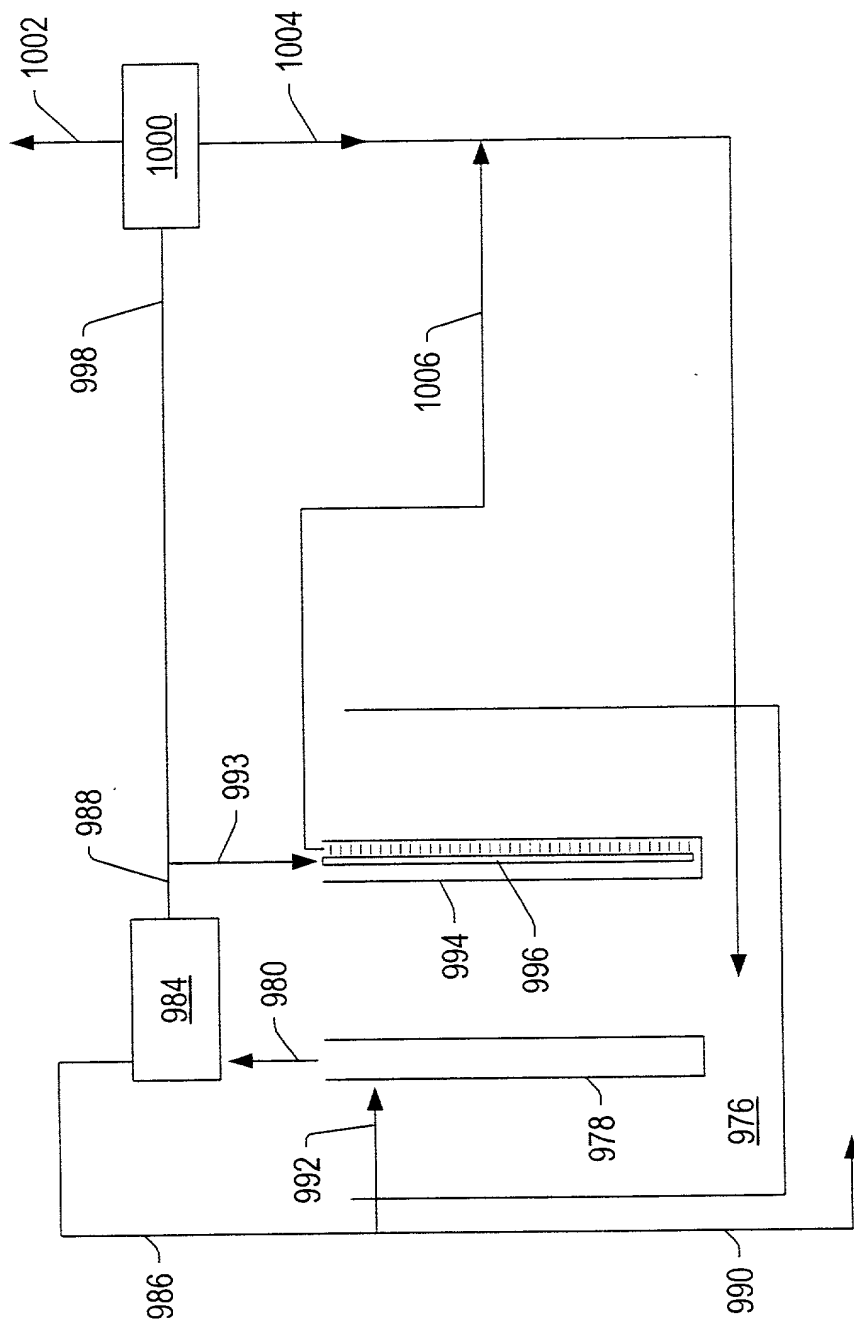


FIG. 35



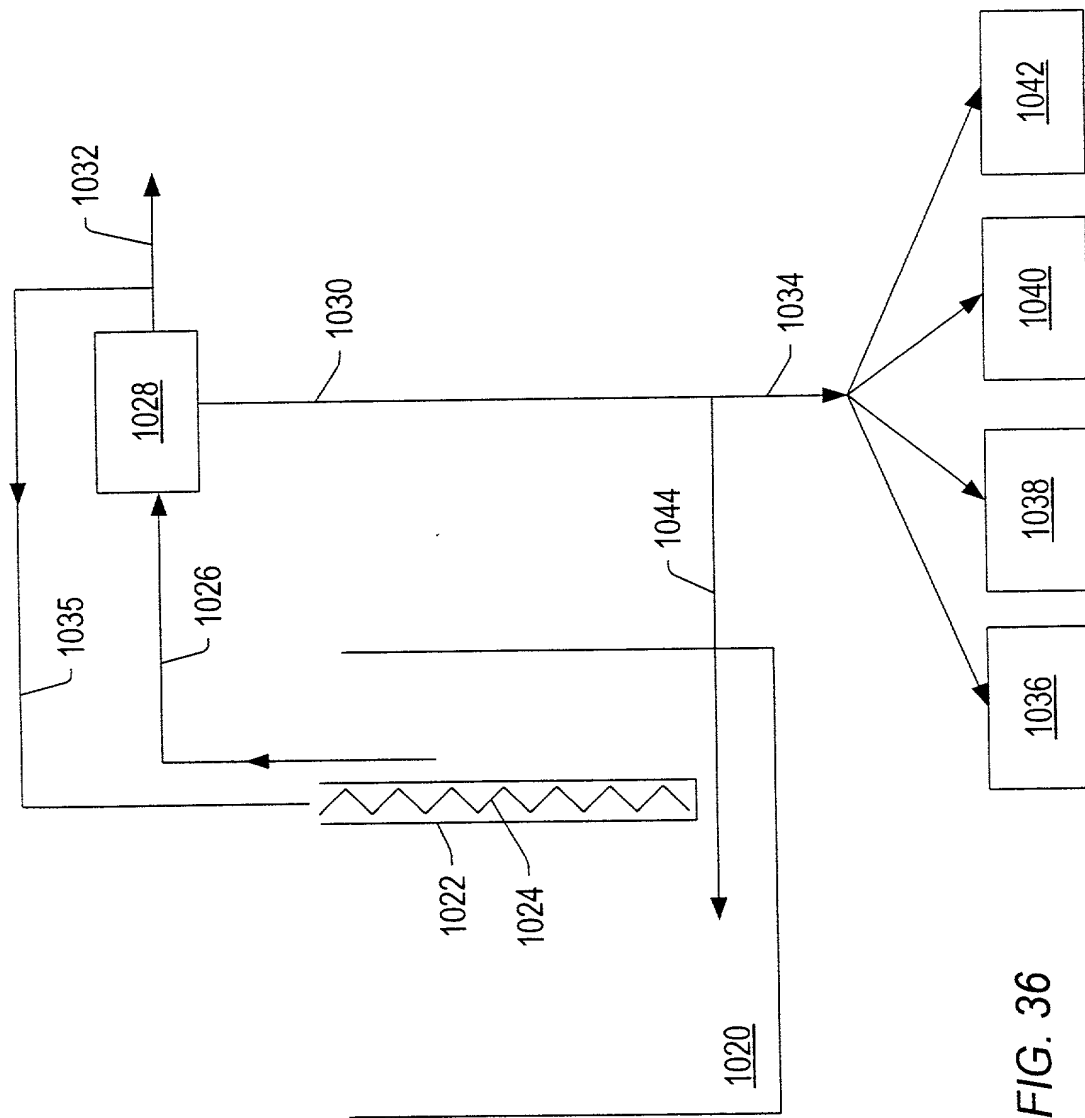


FIG. 36

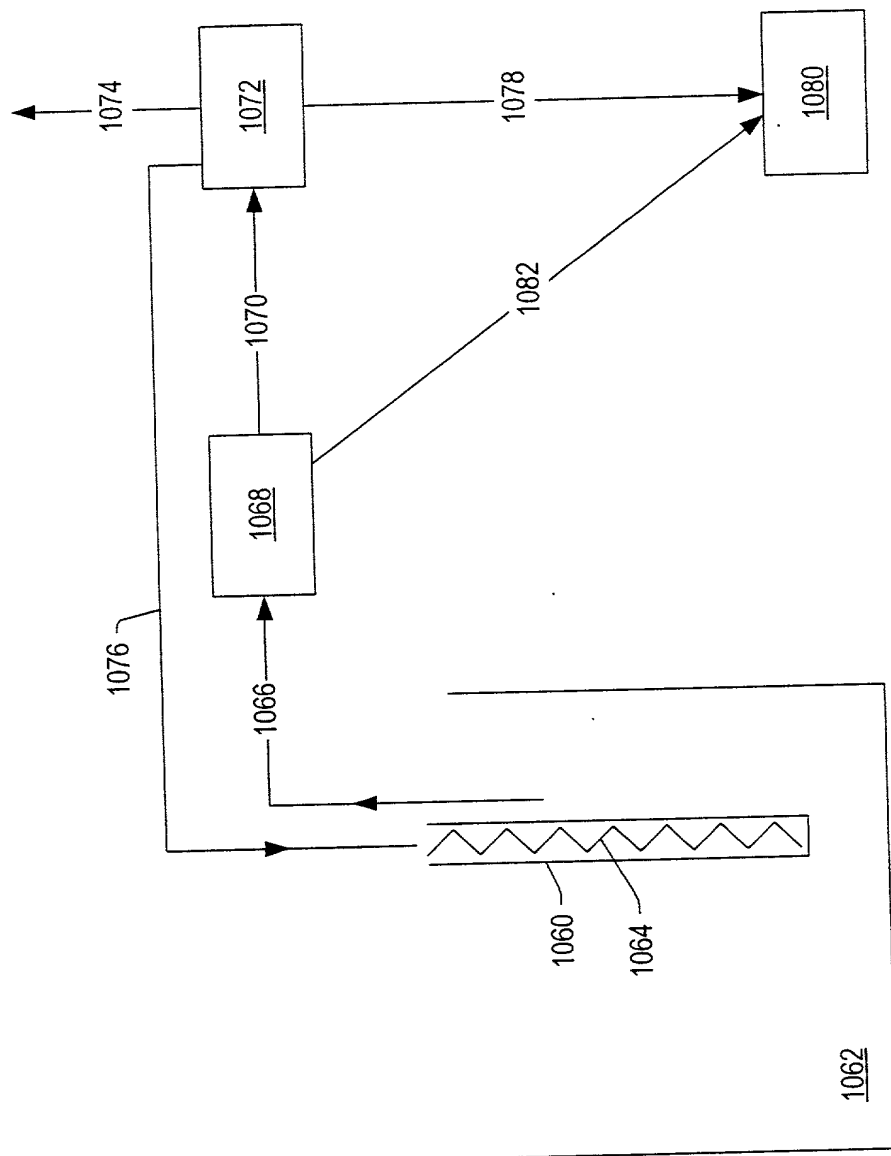


FIG. 37

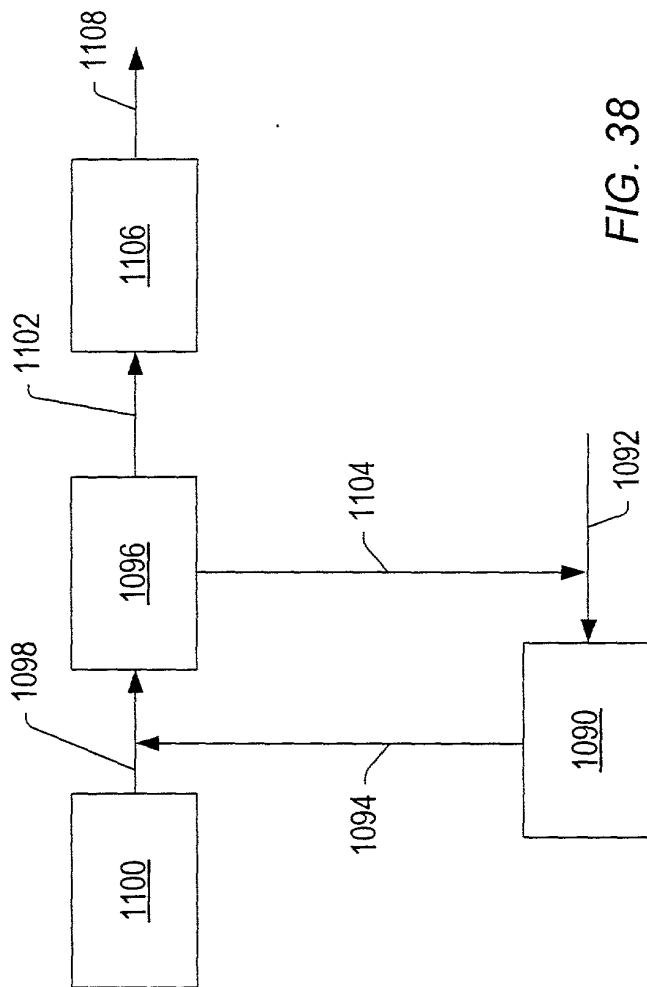


FIG. 38

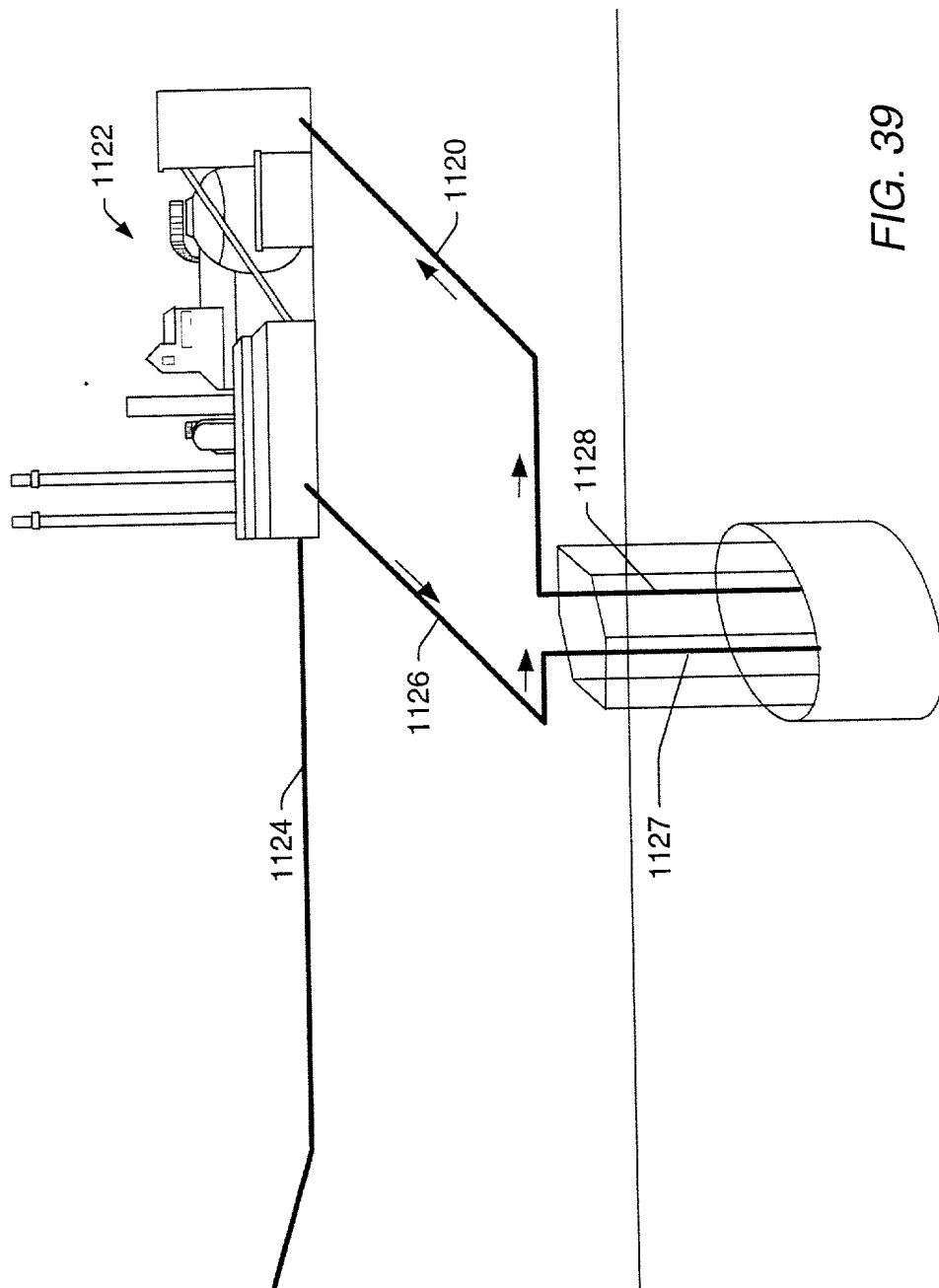


FIG. 39

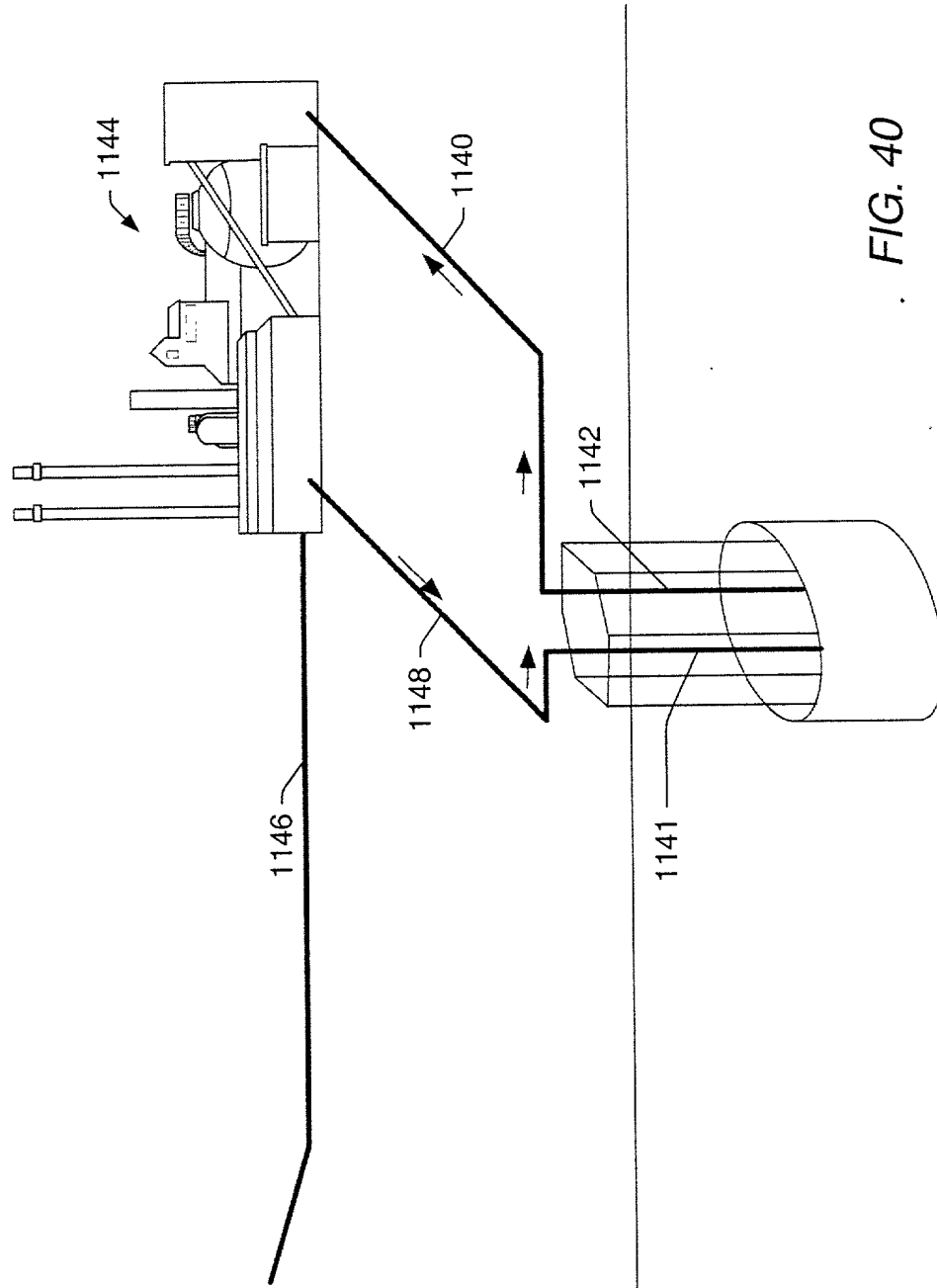


FIG. 40

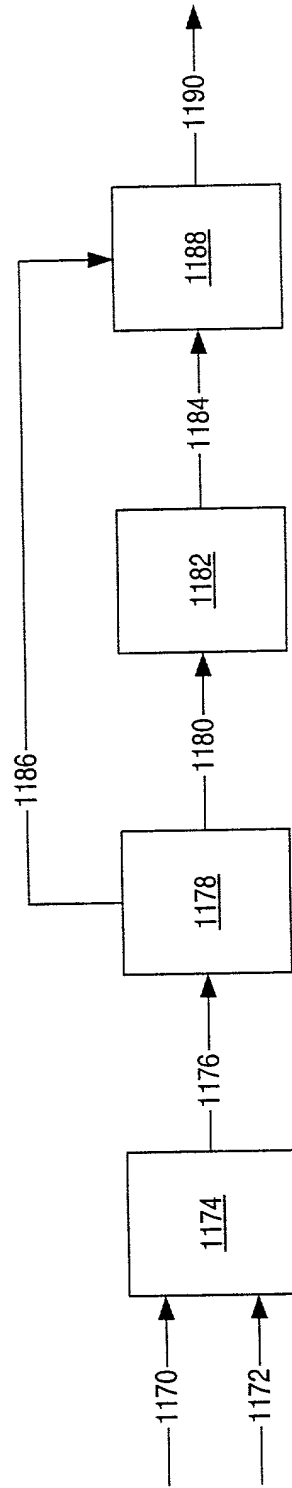


FIG. 41

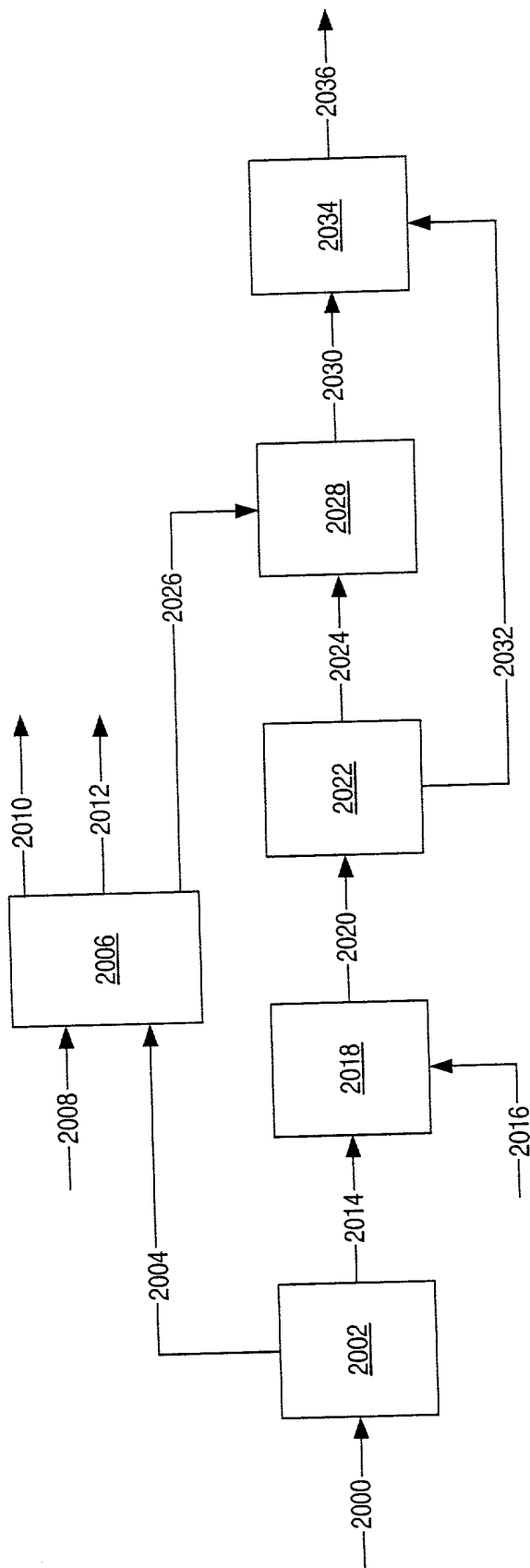


FIG. 42

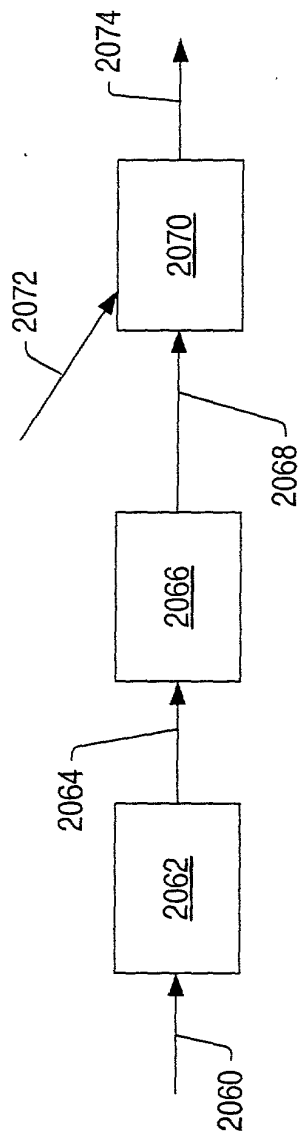


FIG. 43



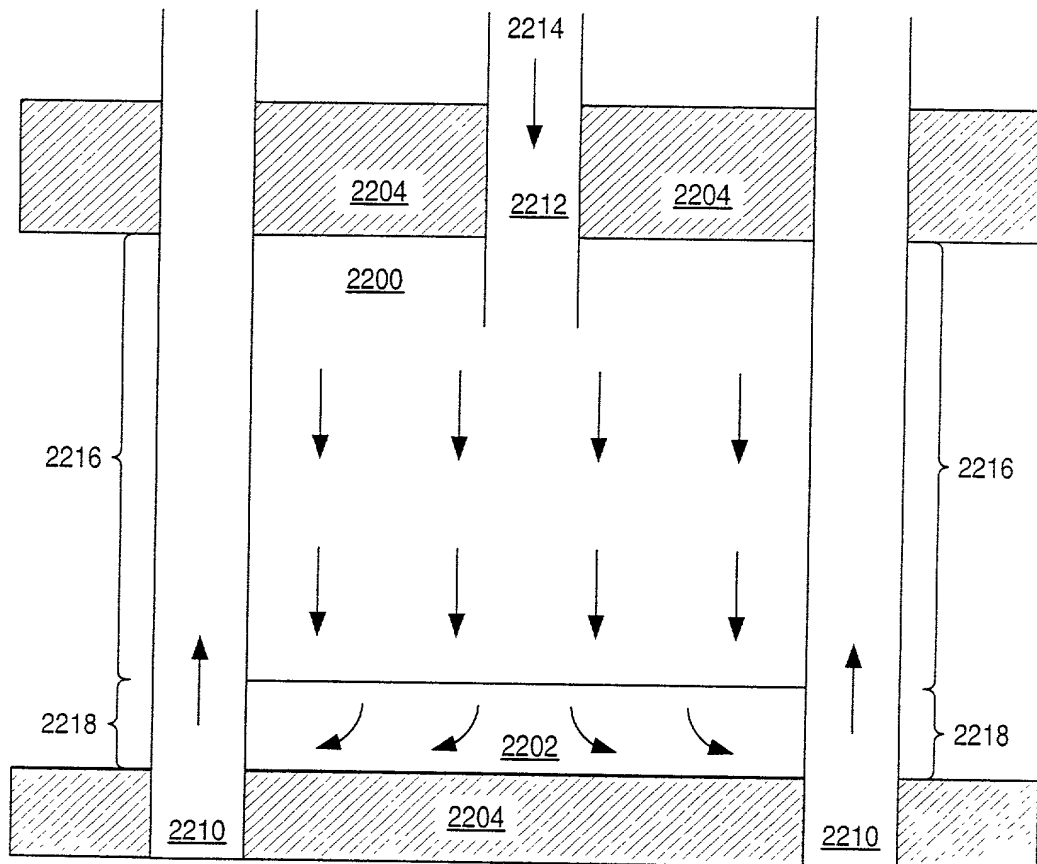


FIG. 44

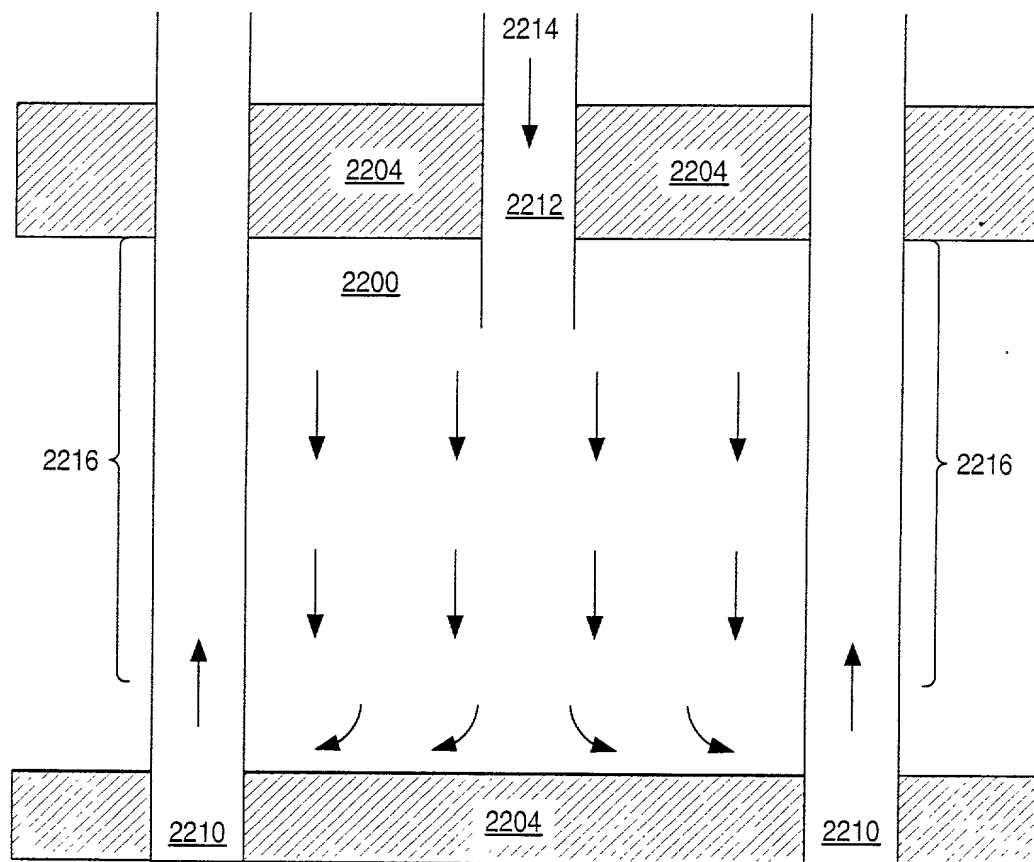


FIG. 45

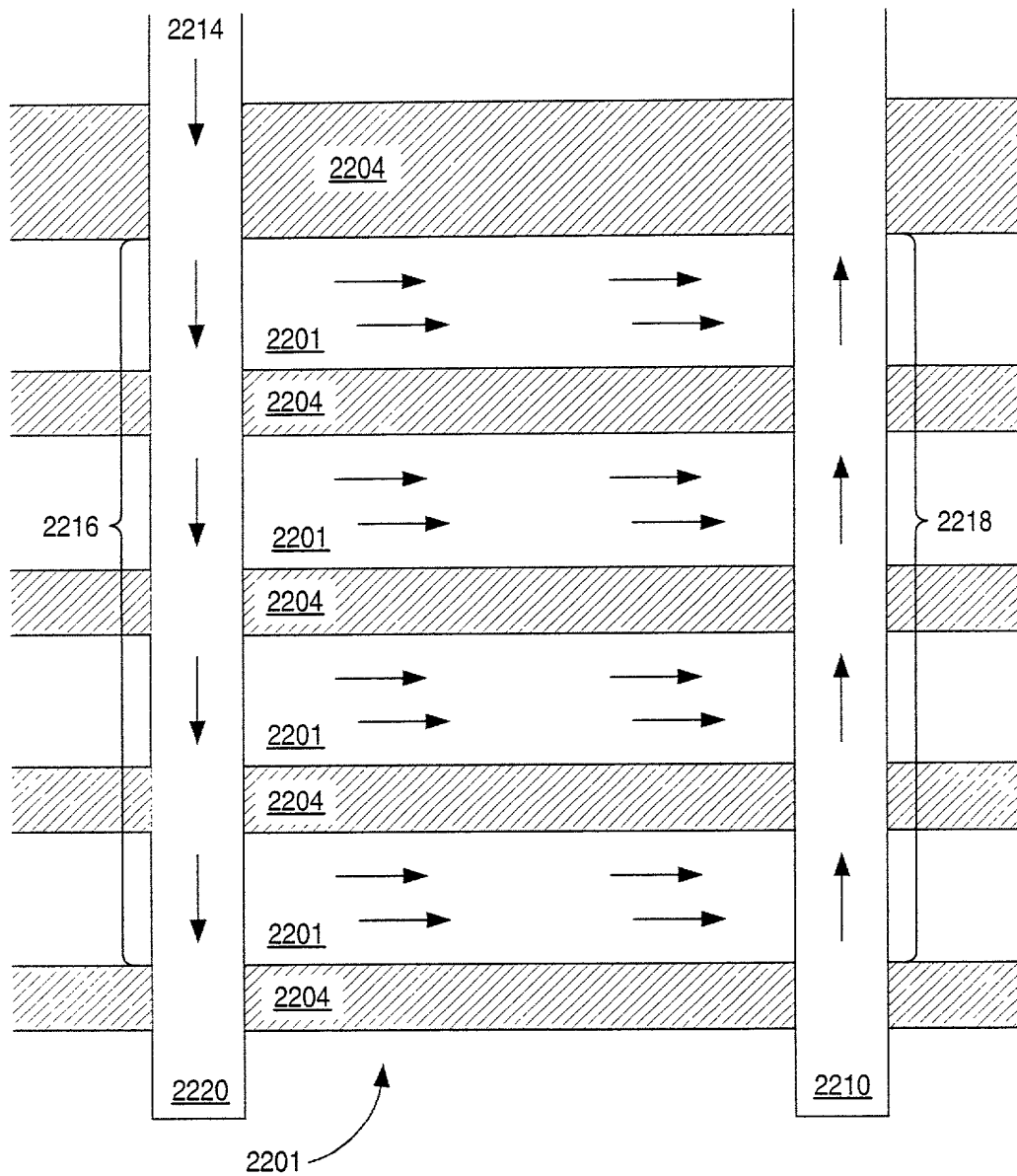


FIG. 46

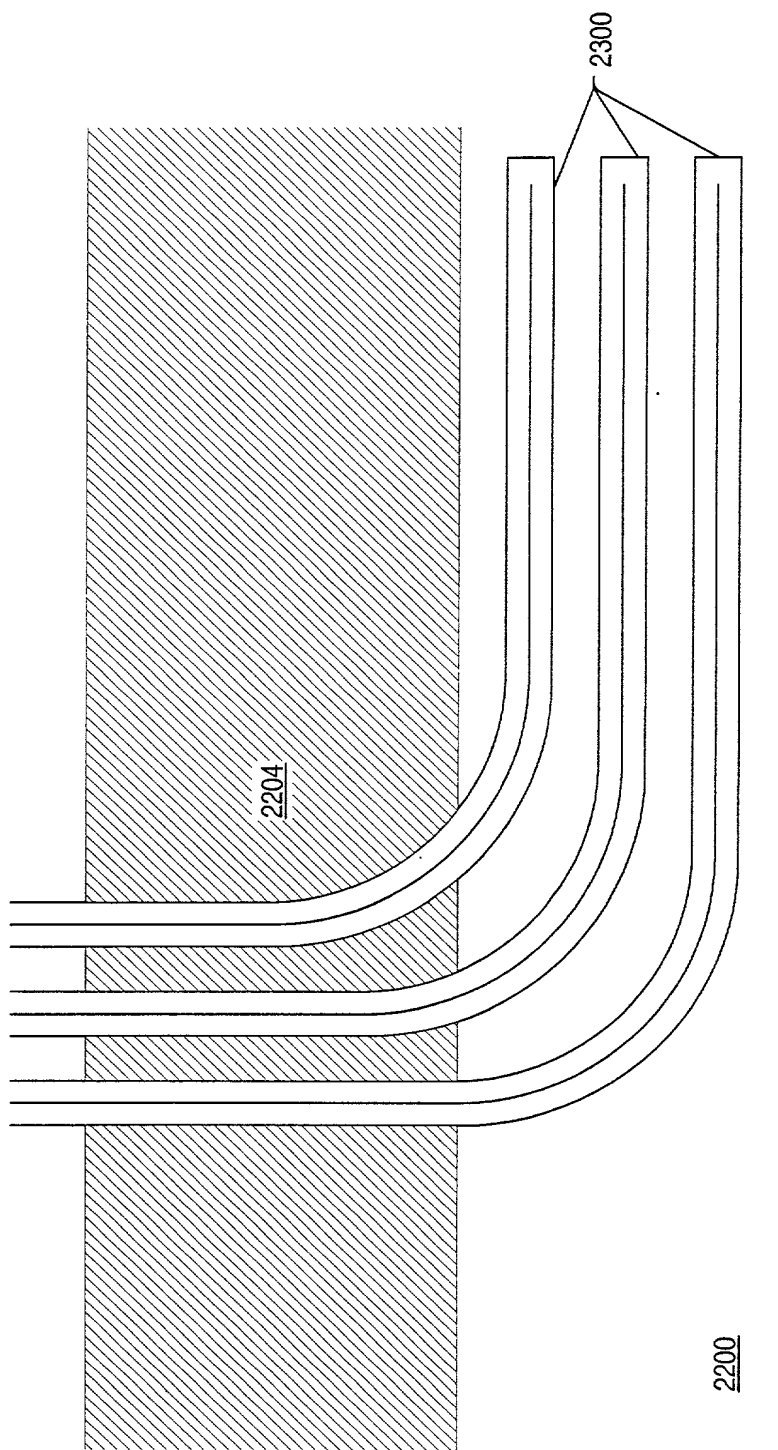


FIG. 47

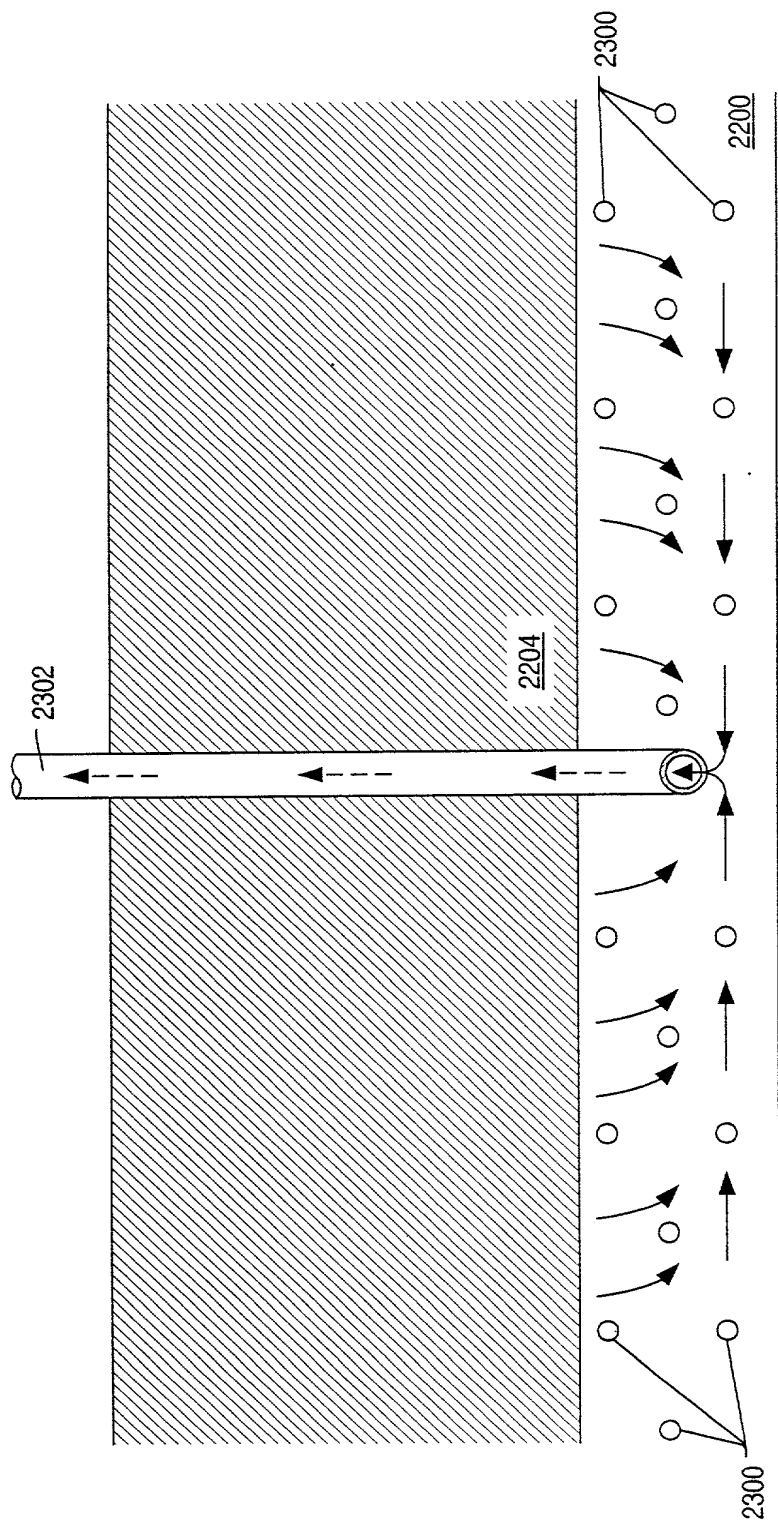


FIG. 48

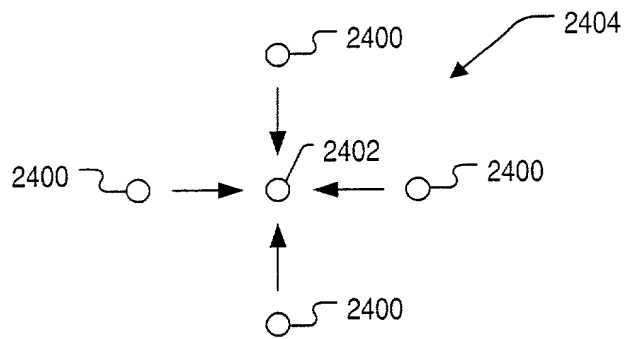


FIG. 49

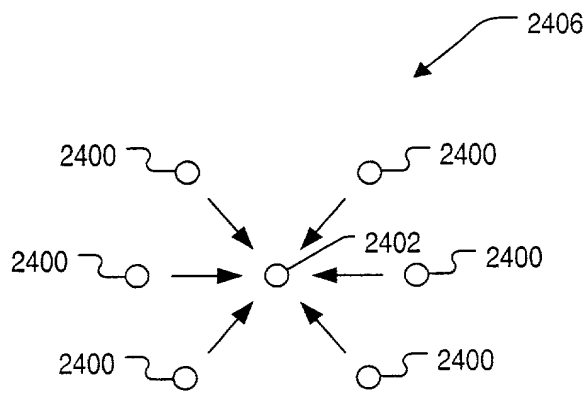


FIG. 50

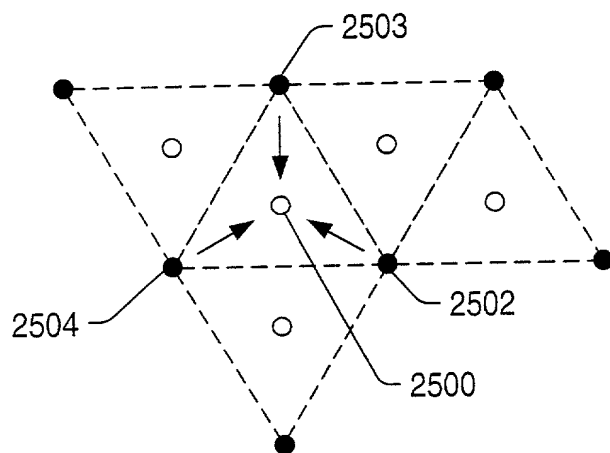


FIG. 51

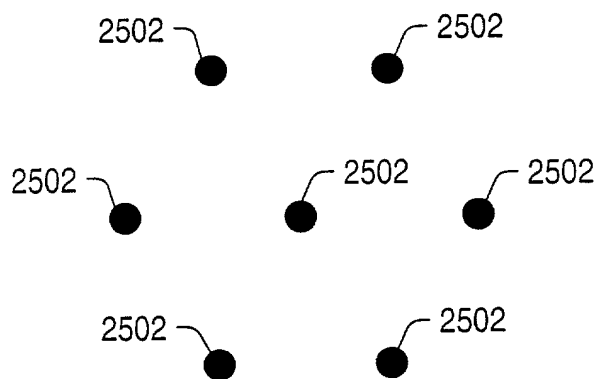


FIG. 52

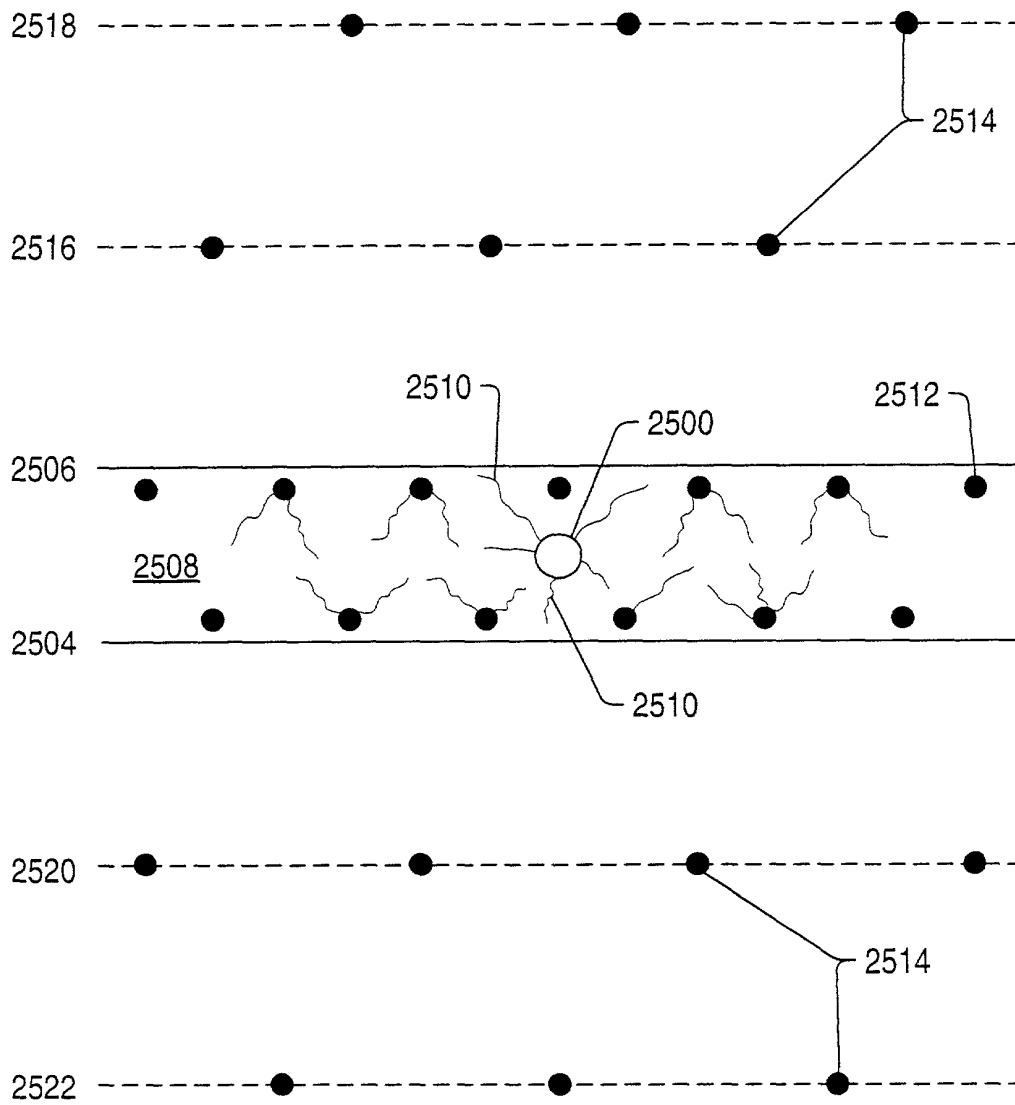


FIG. 53



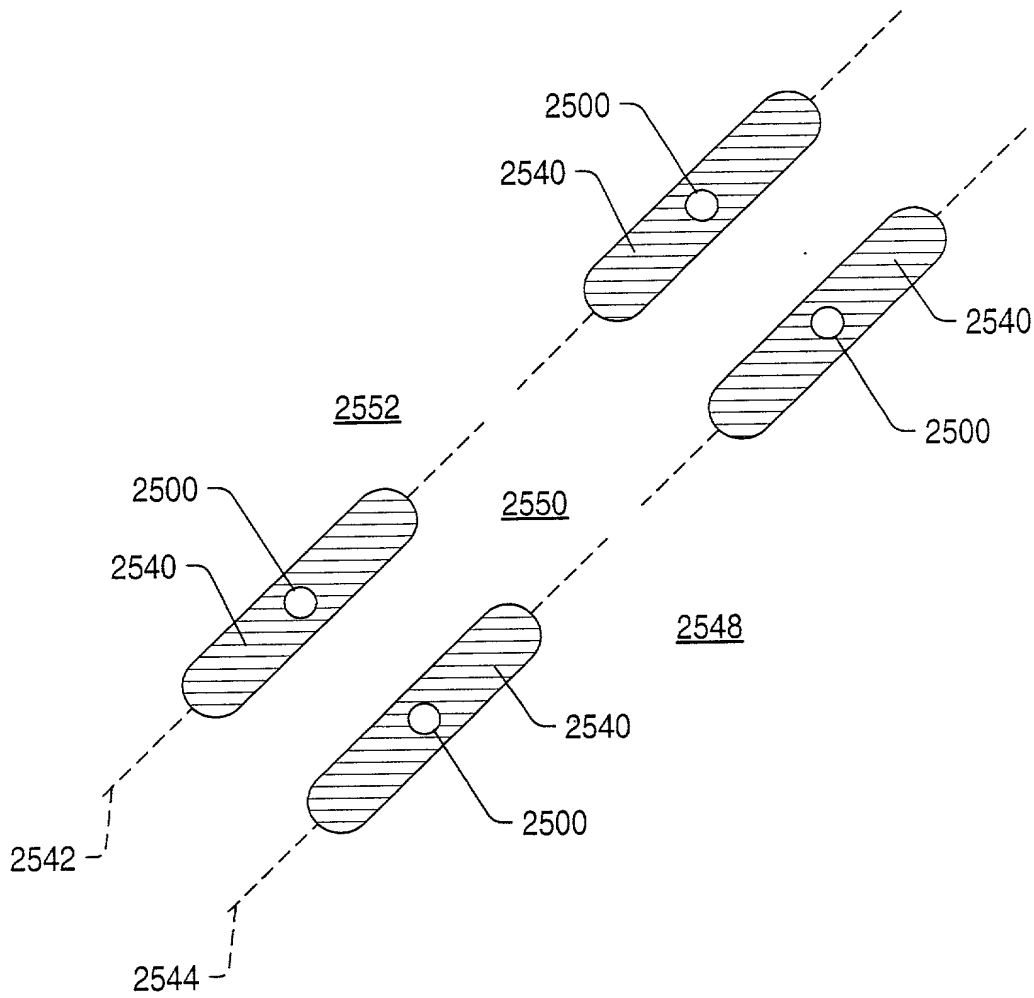


FIG. 54

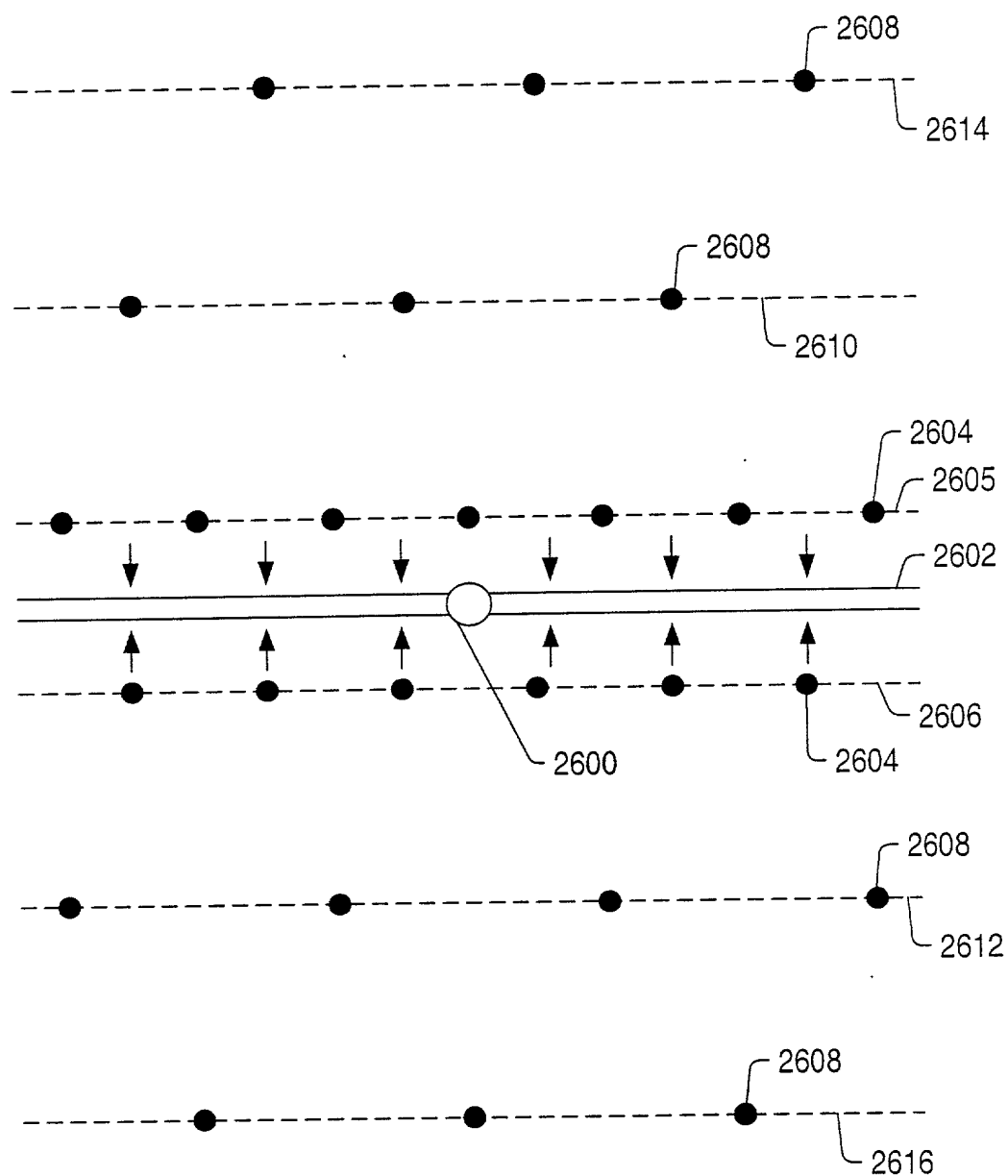


FIG. 55

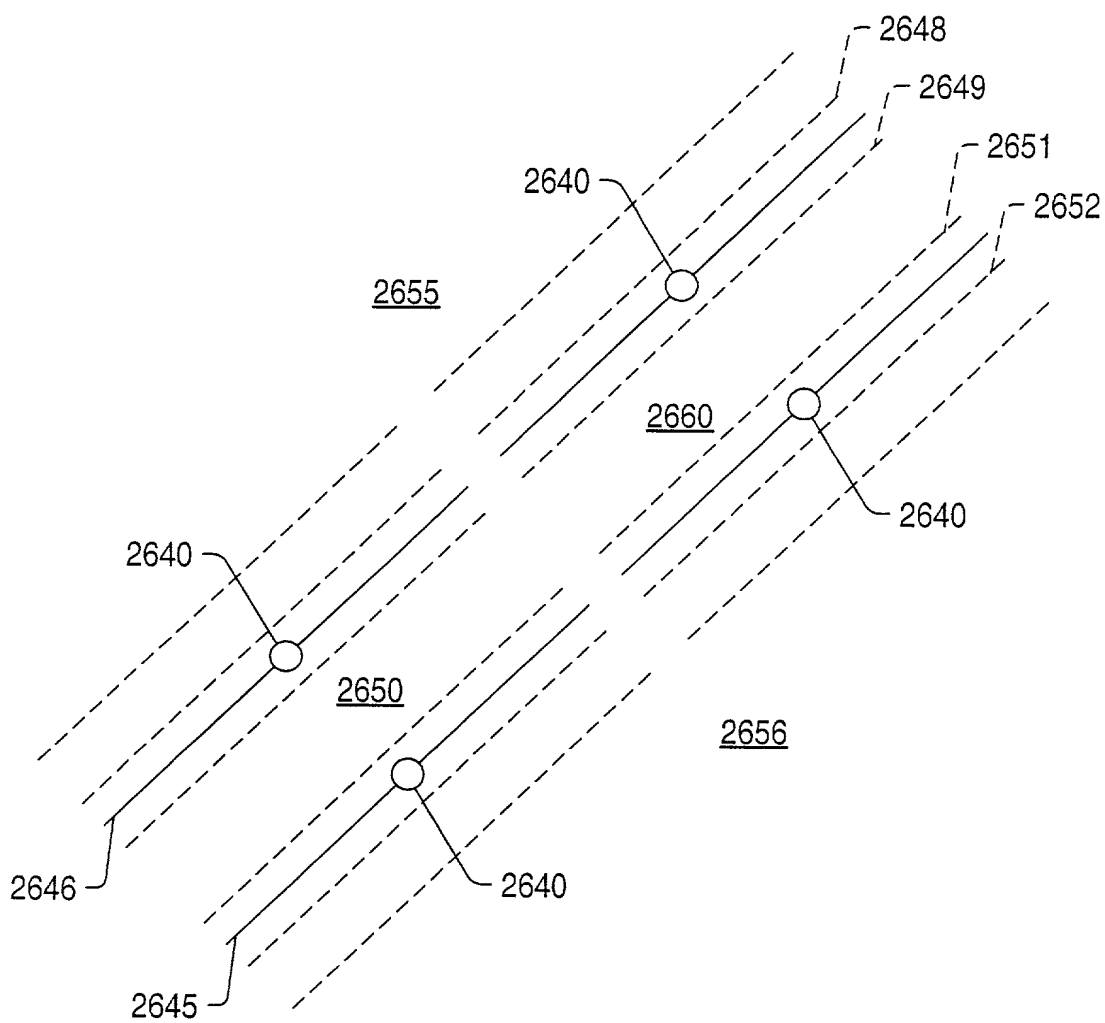


FIG. 56

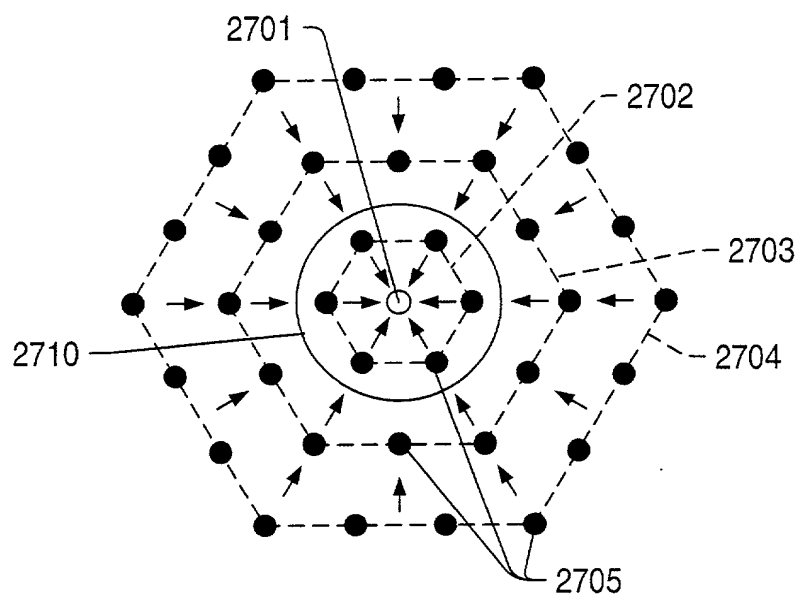


FIG. 57

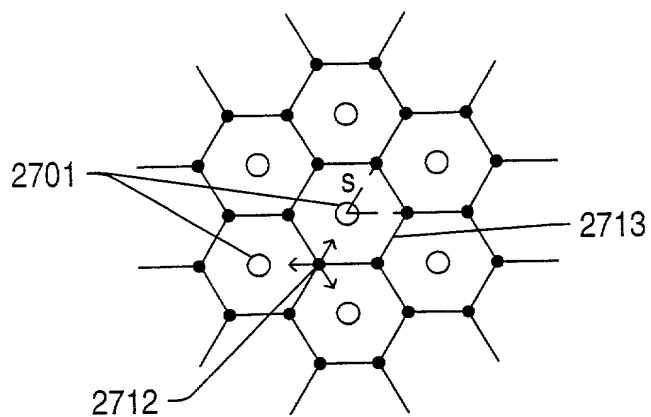


FIG. 58

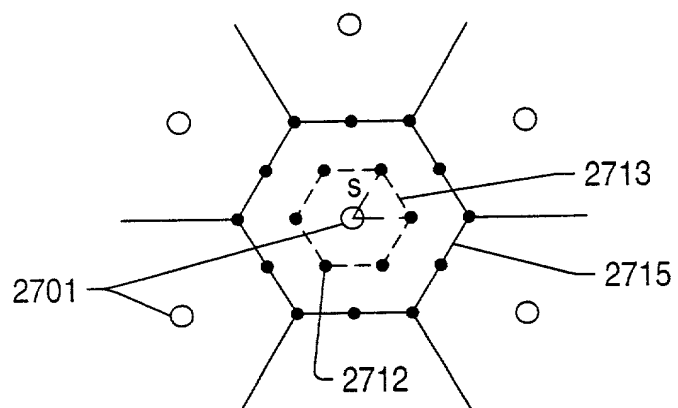


FIG. 59

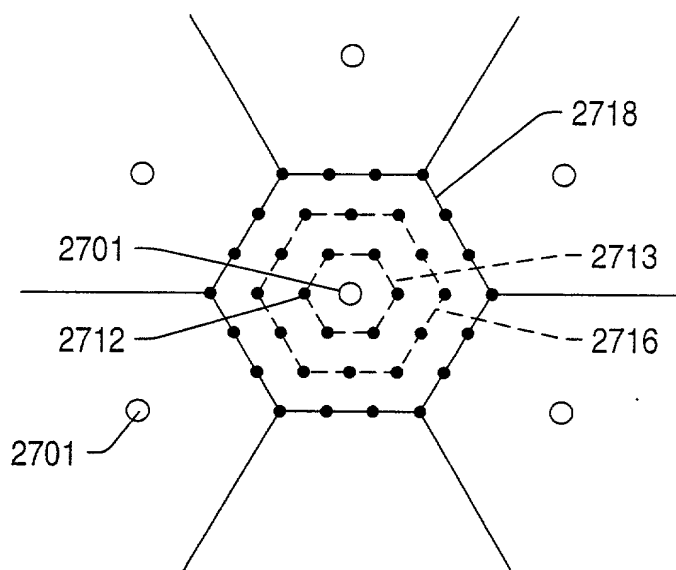


FIG. 60

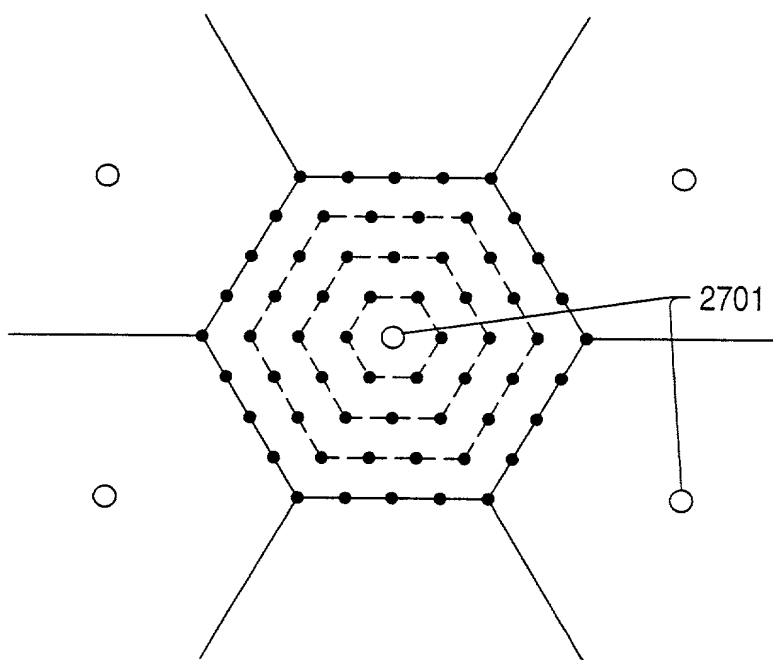


FIG. 61

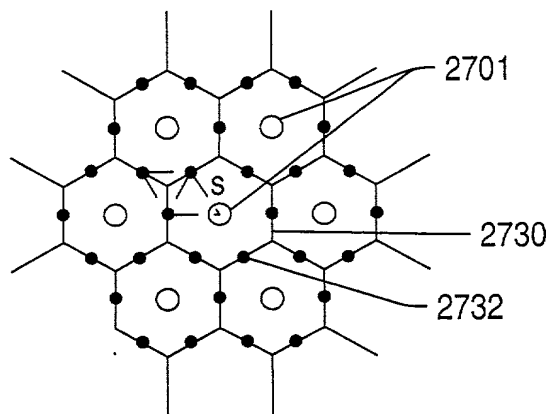


FIG. 62

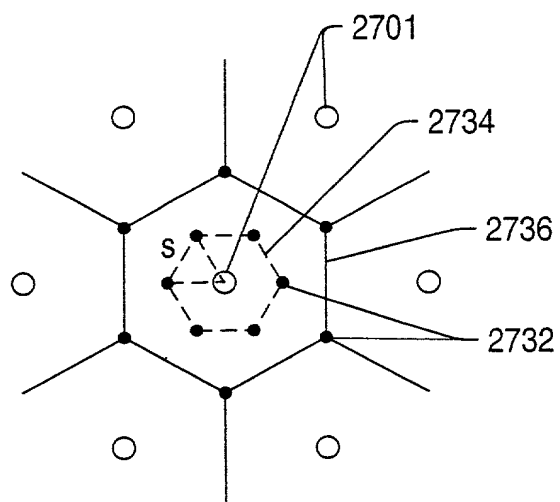


FIG. 63

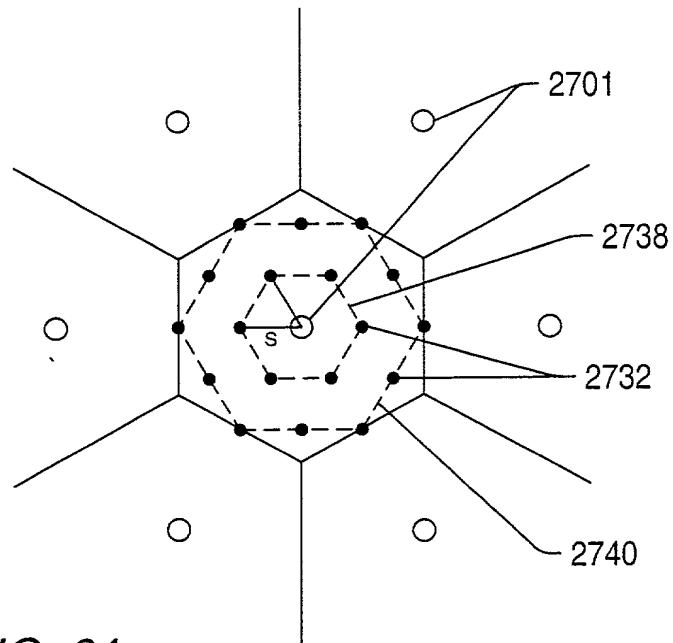


FIG. 64

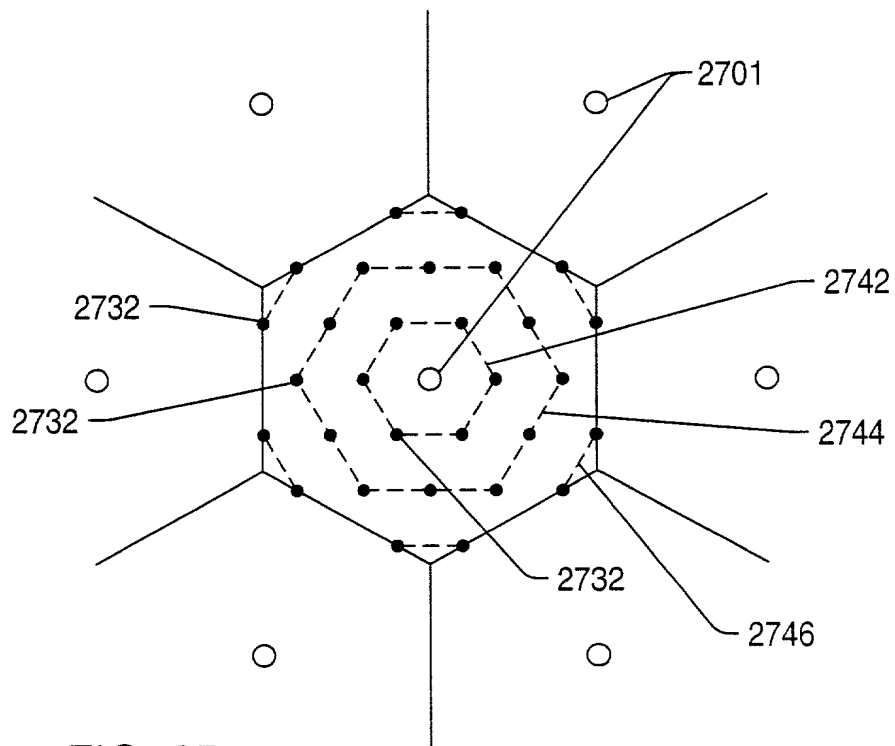


FIG. 65



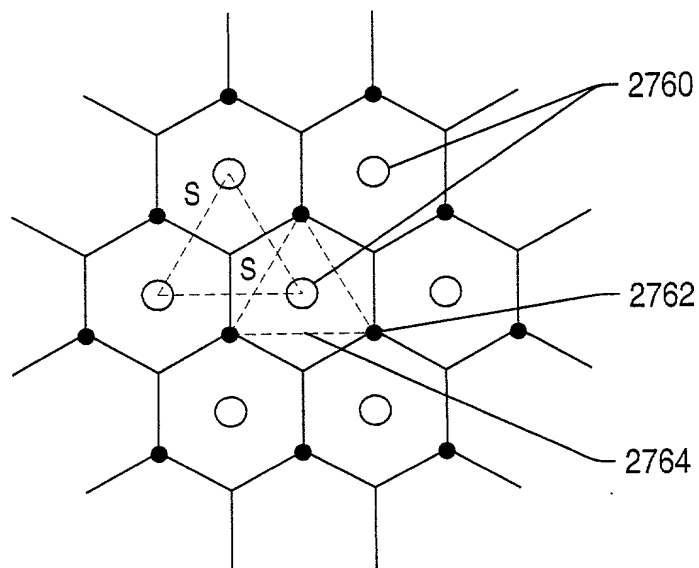


FIG. 66

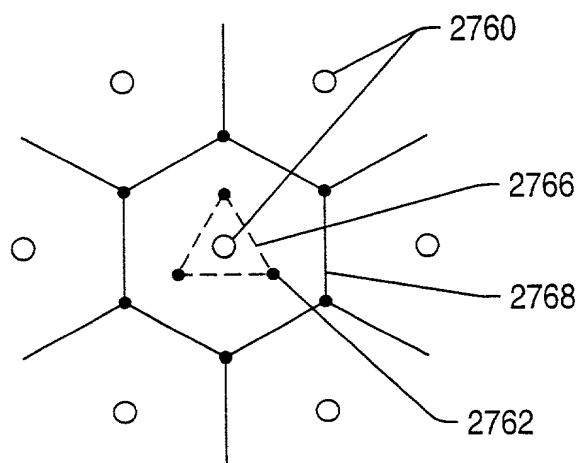


FIG. 67

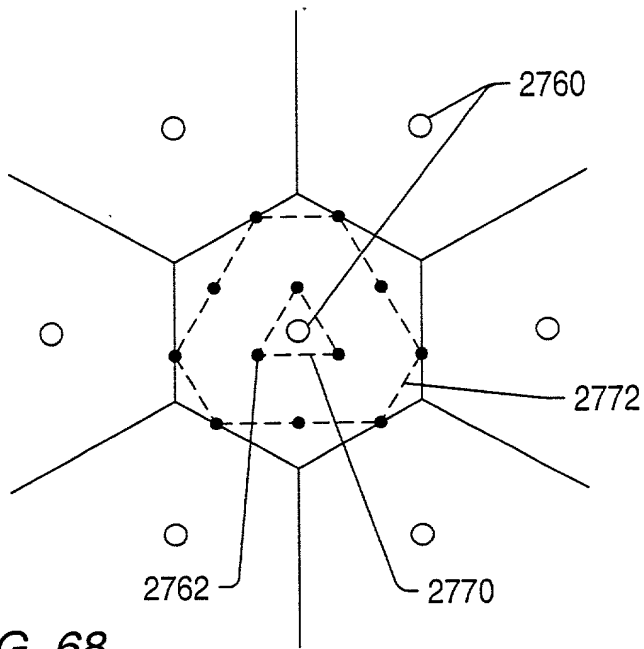


FIG. 68

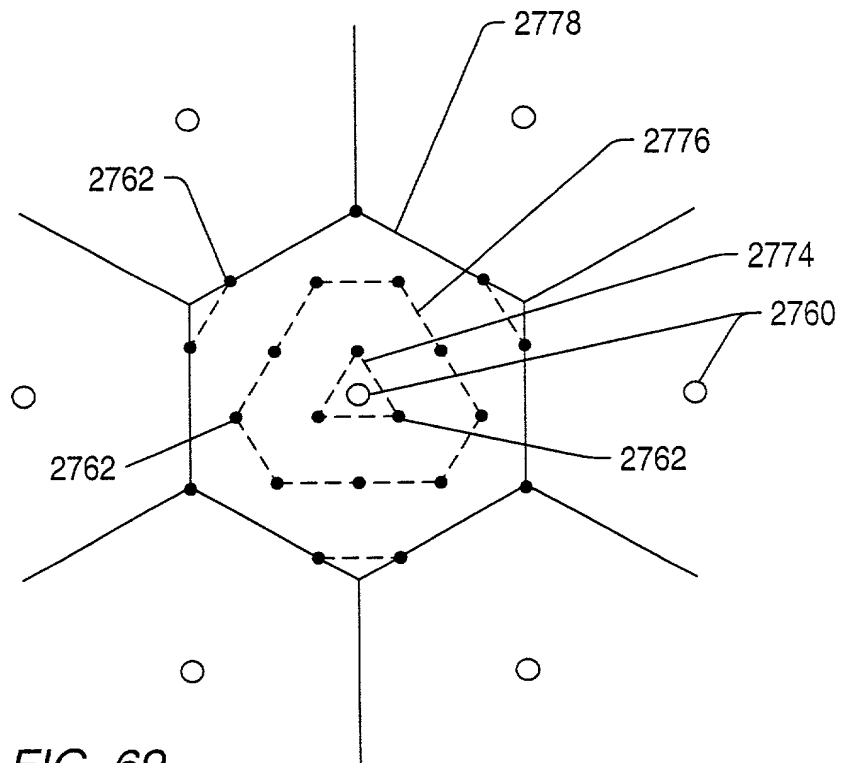


FIG. 69

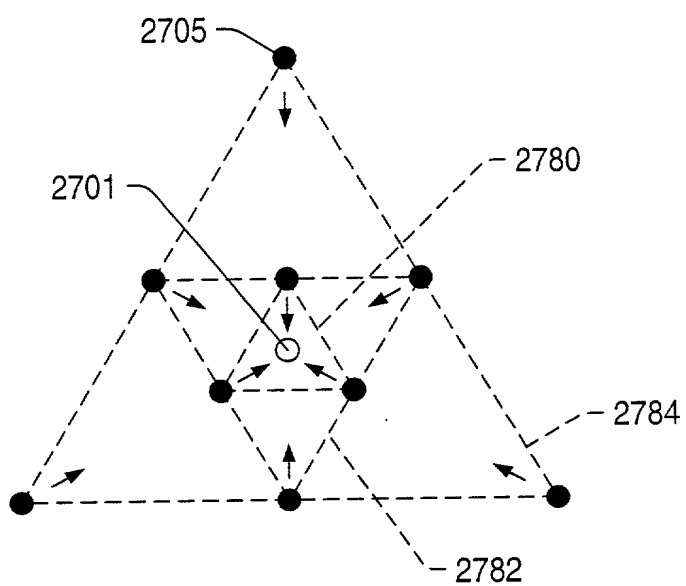


FIG. 70

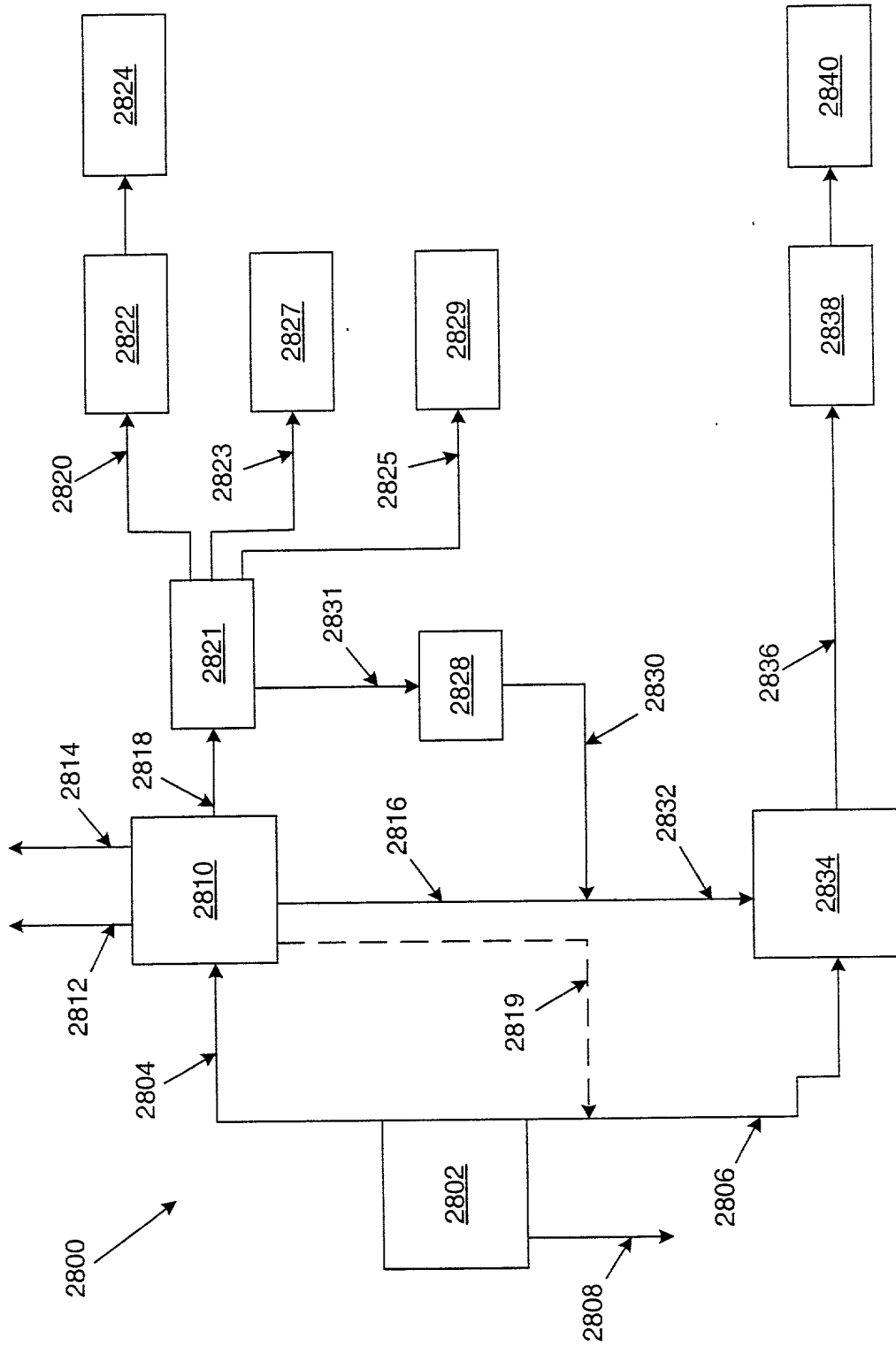


Fig. 71

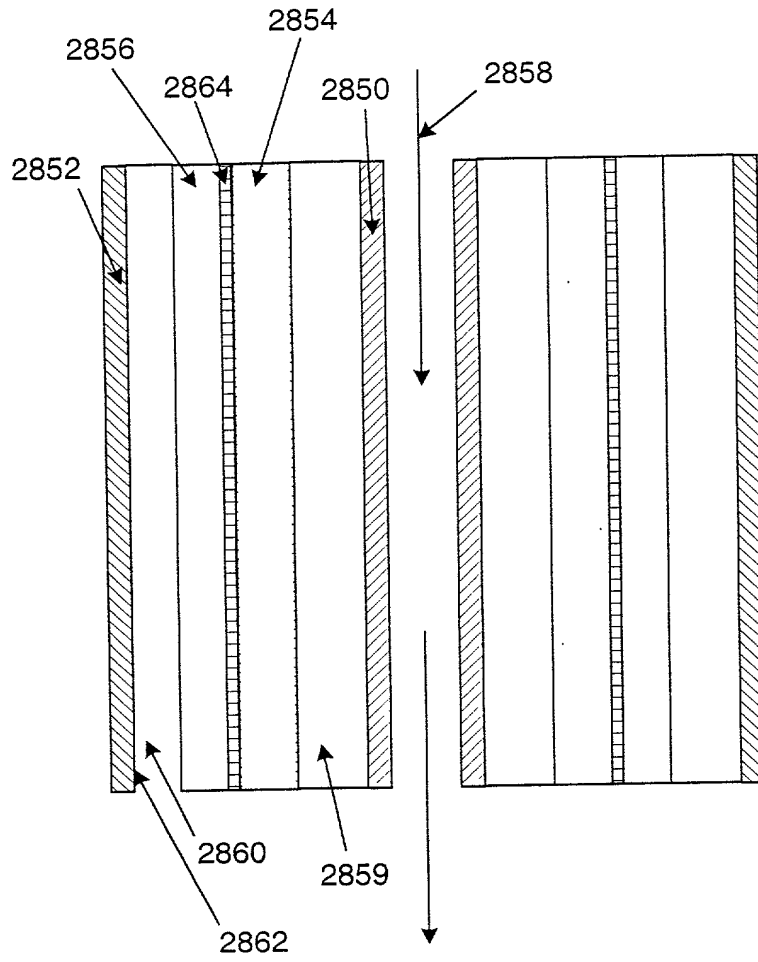


Fig. 72

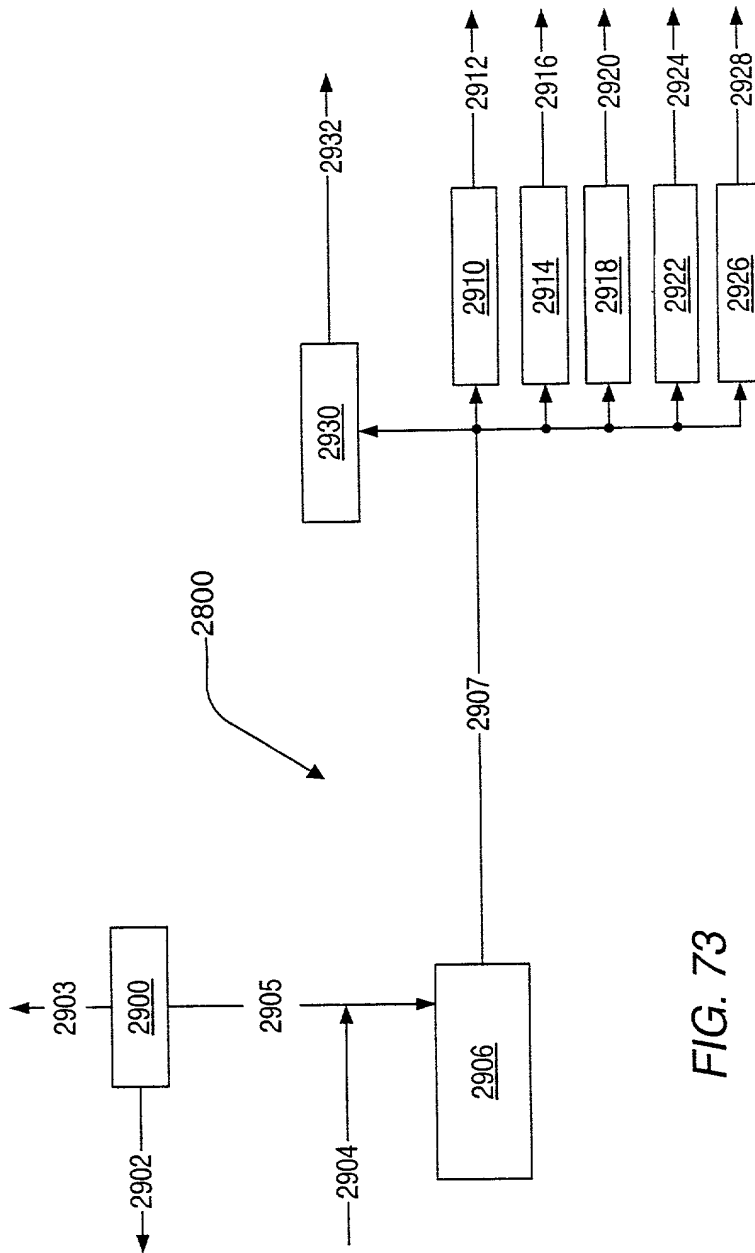


FIG. 73

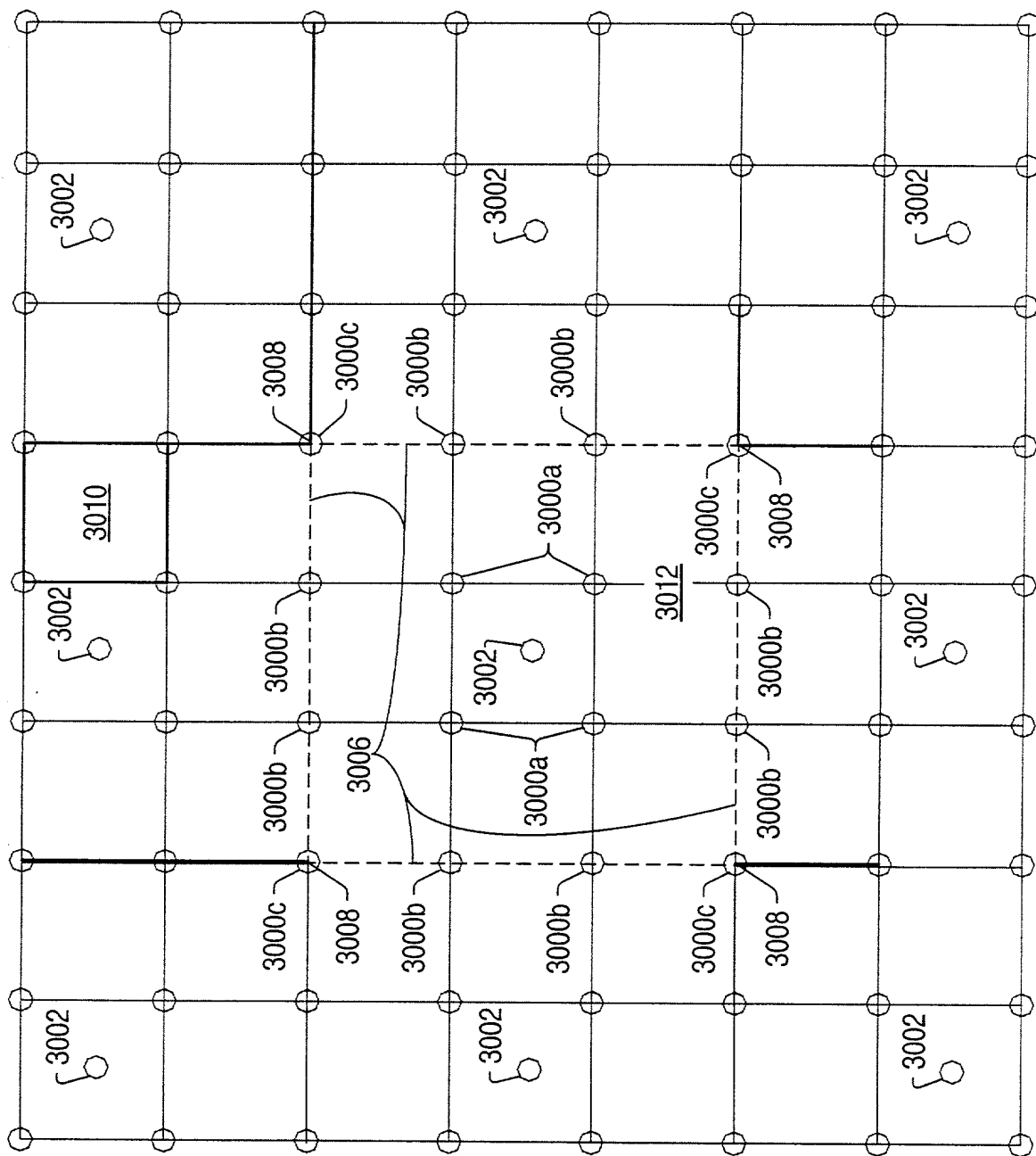


FIG. 74

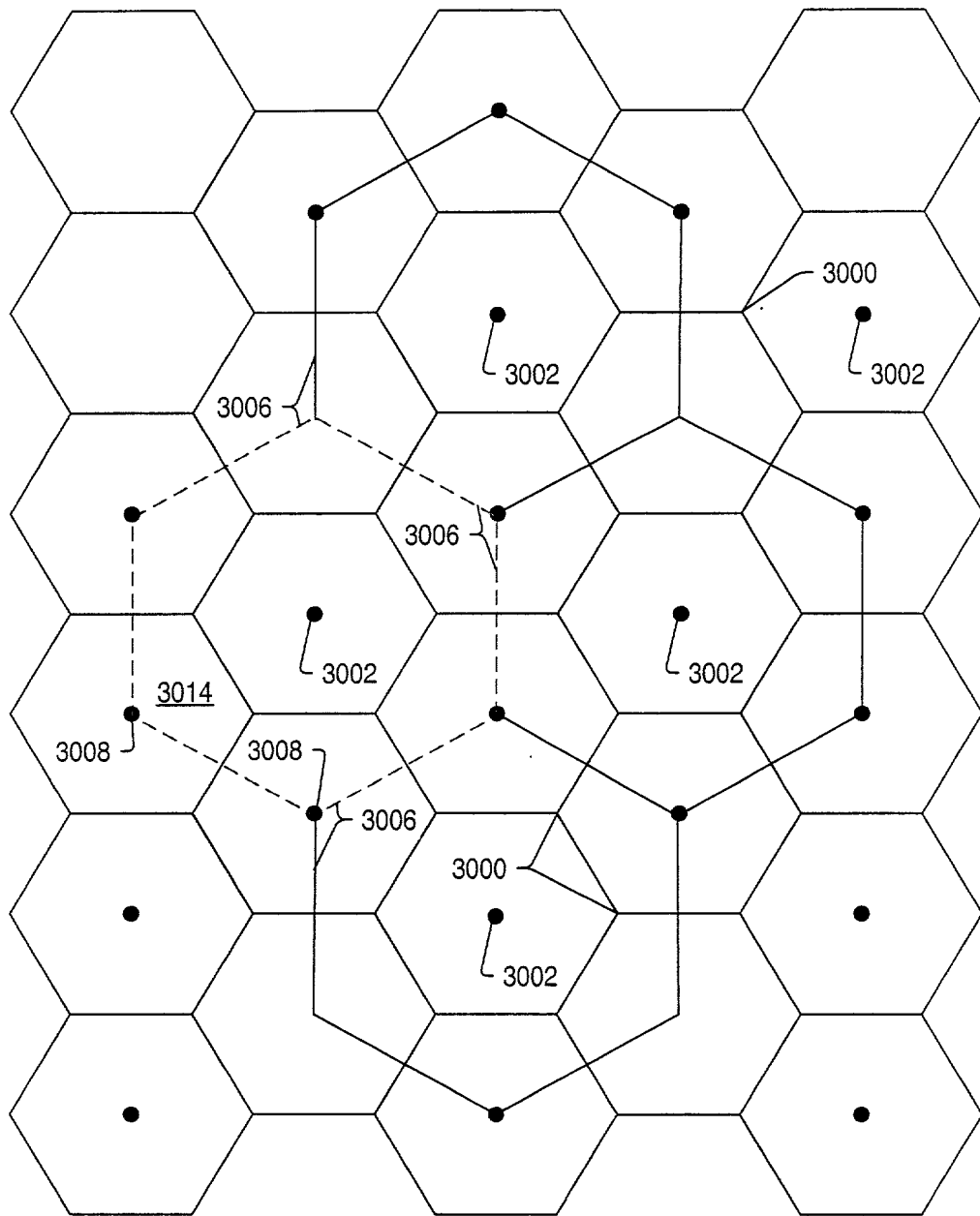


FIG. 75



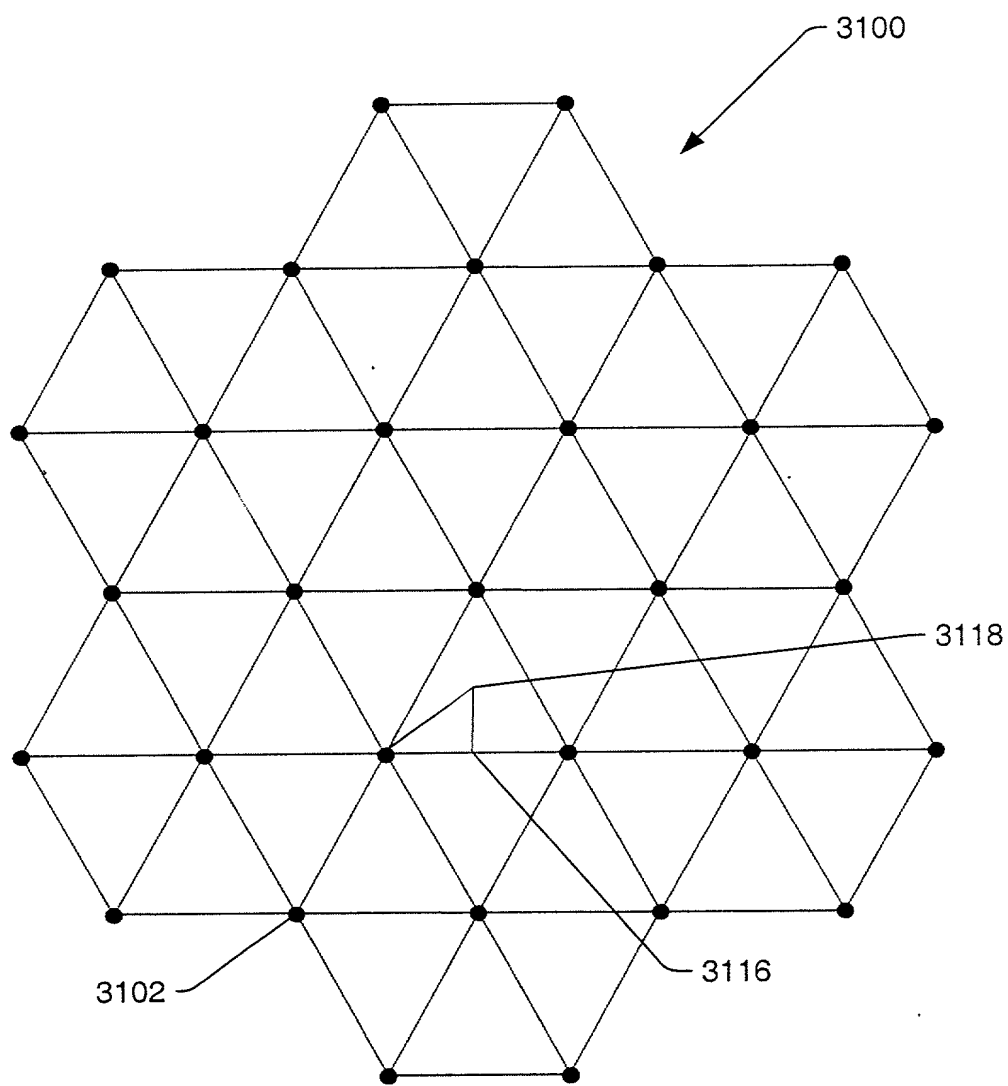


FIG. 76

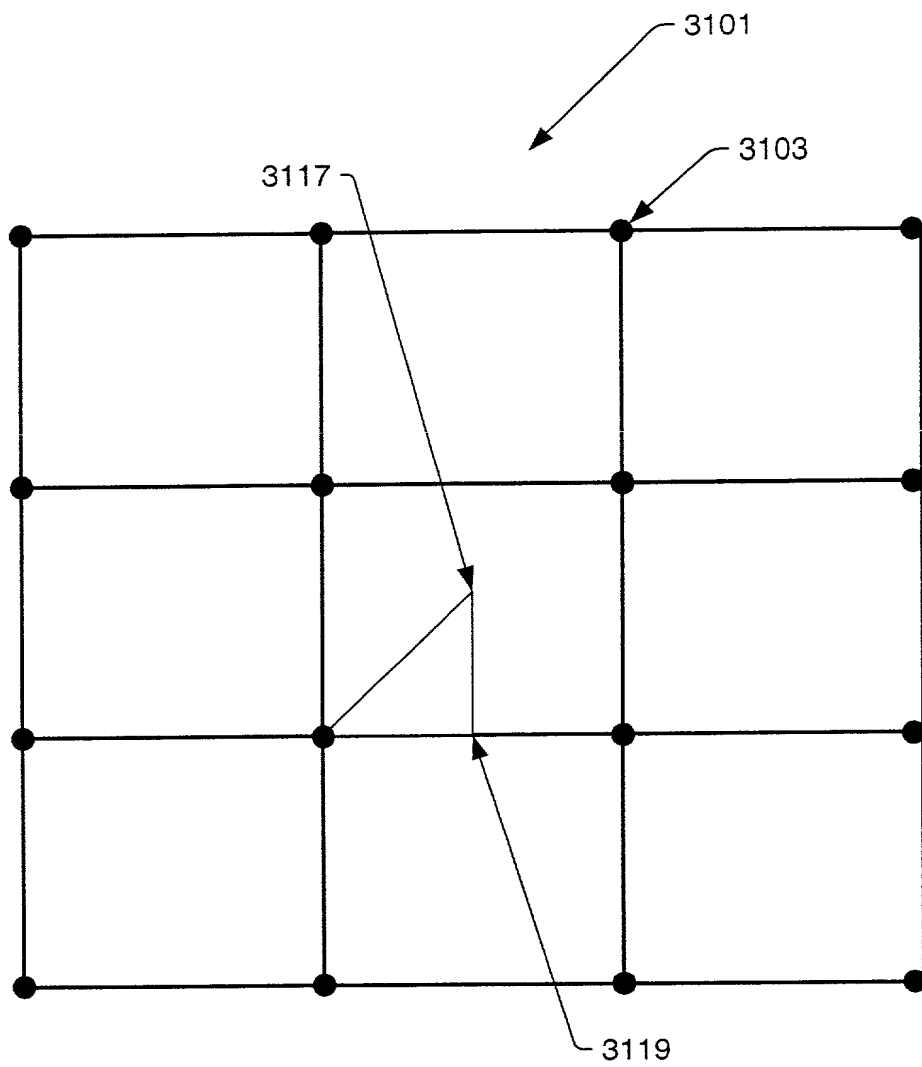


FIG. 76a

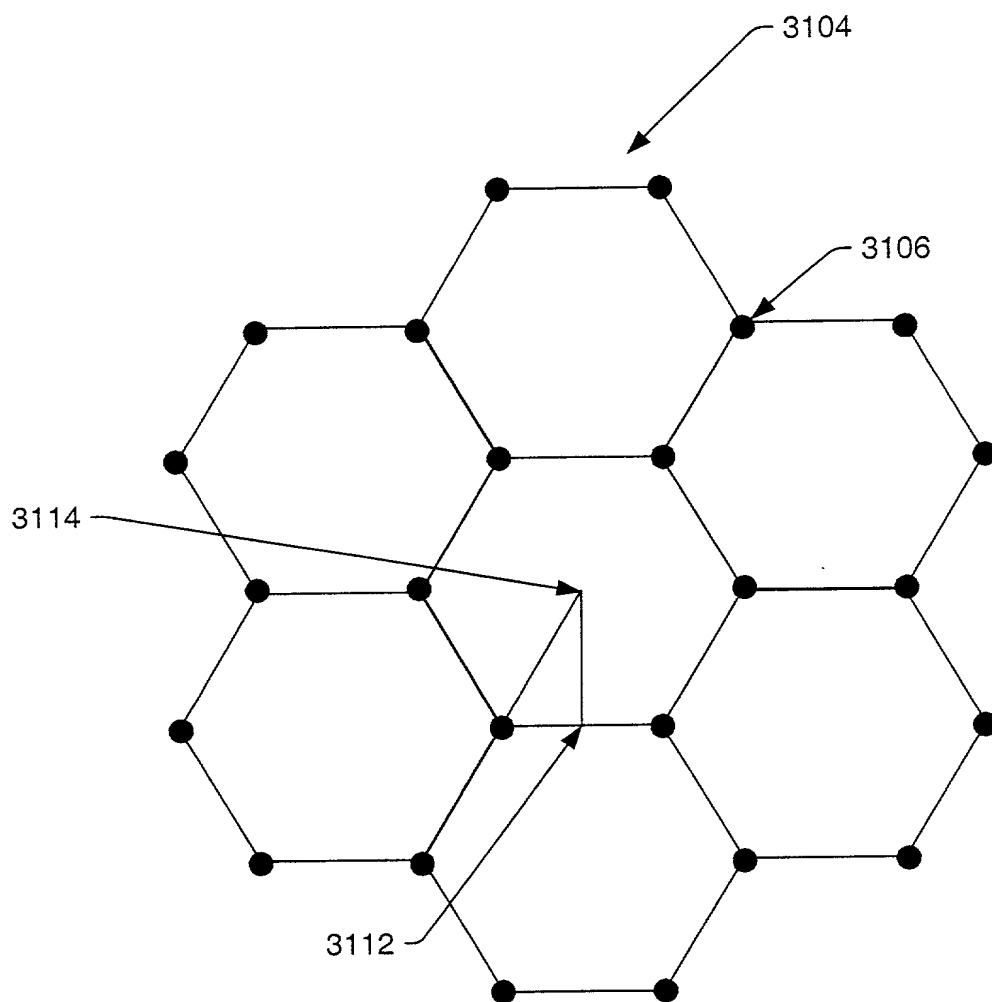


FIG. 77

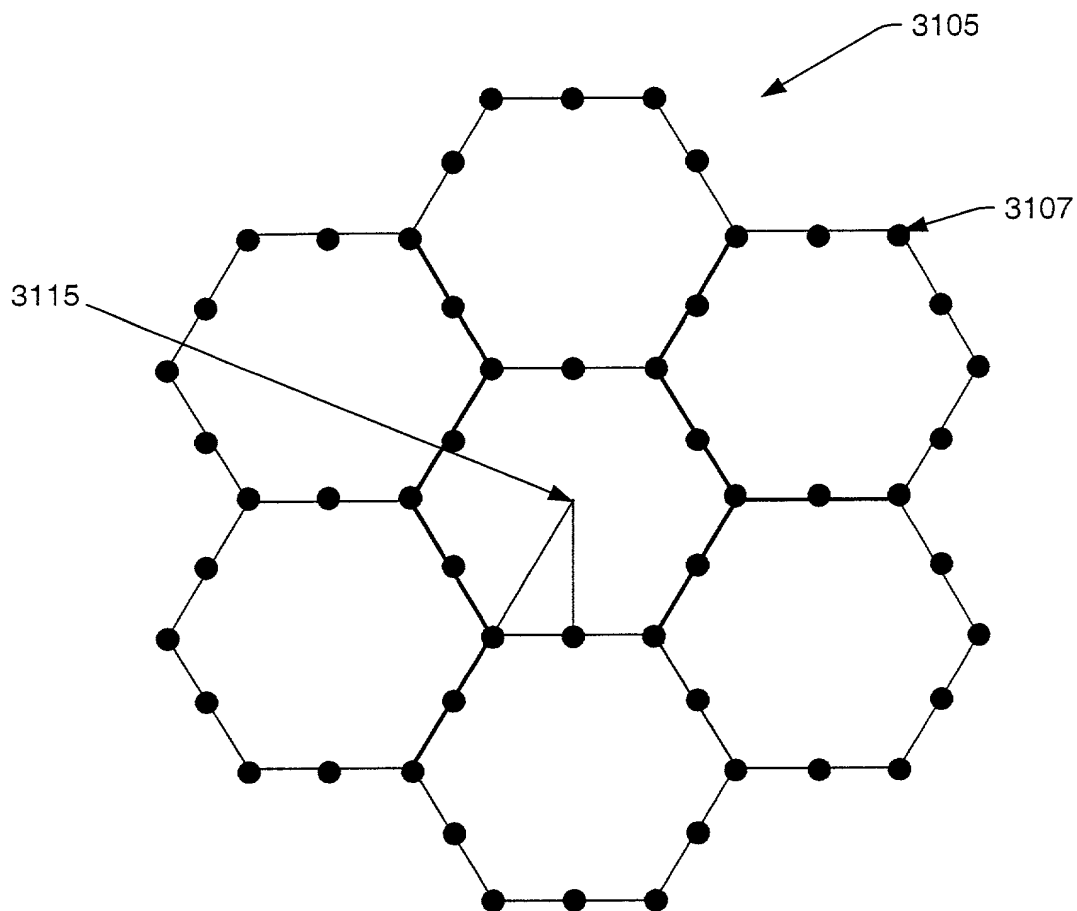


FIG. 77a

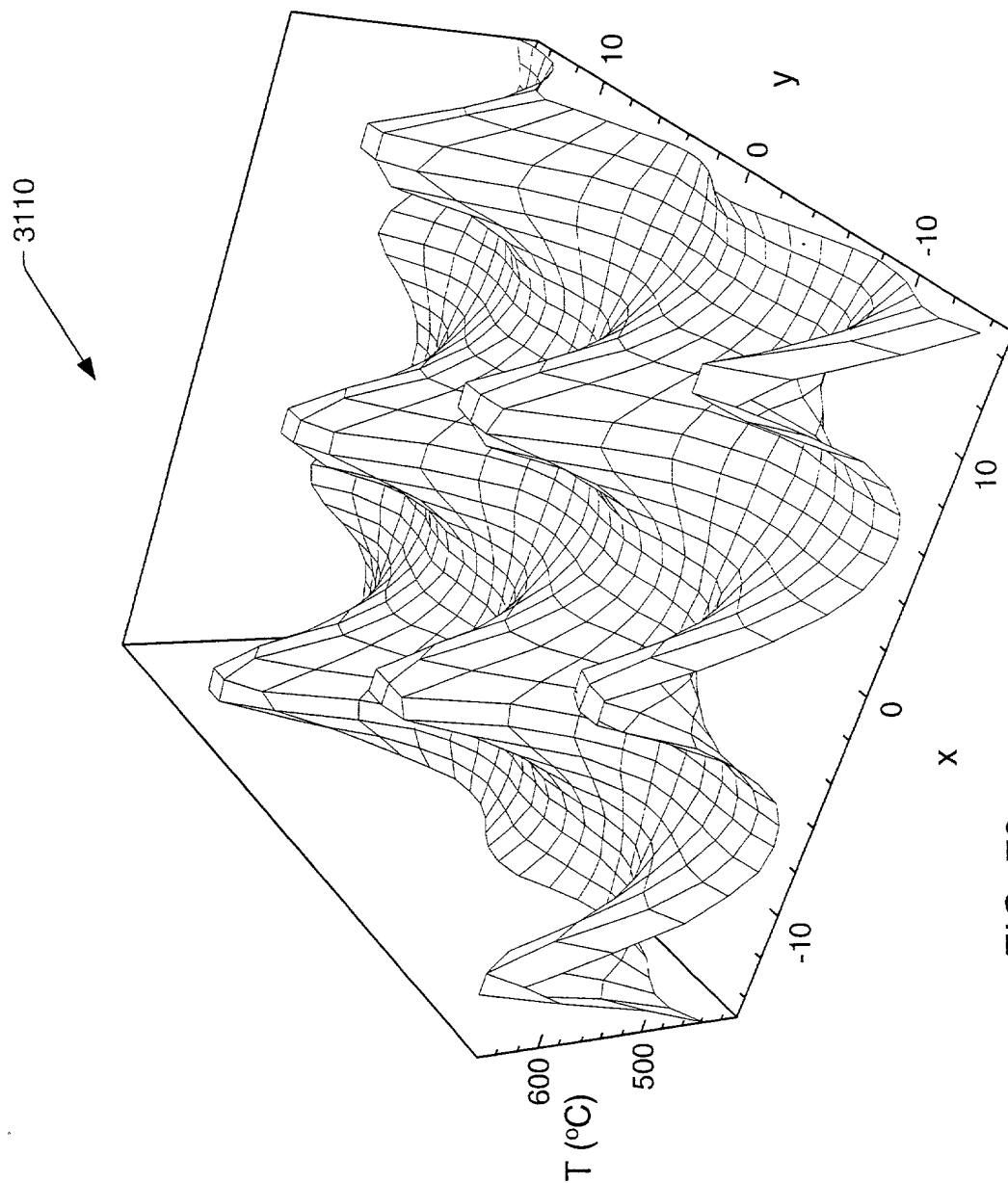


FIG. 78

3108

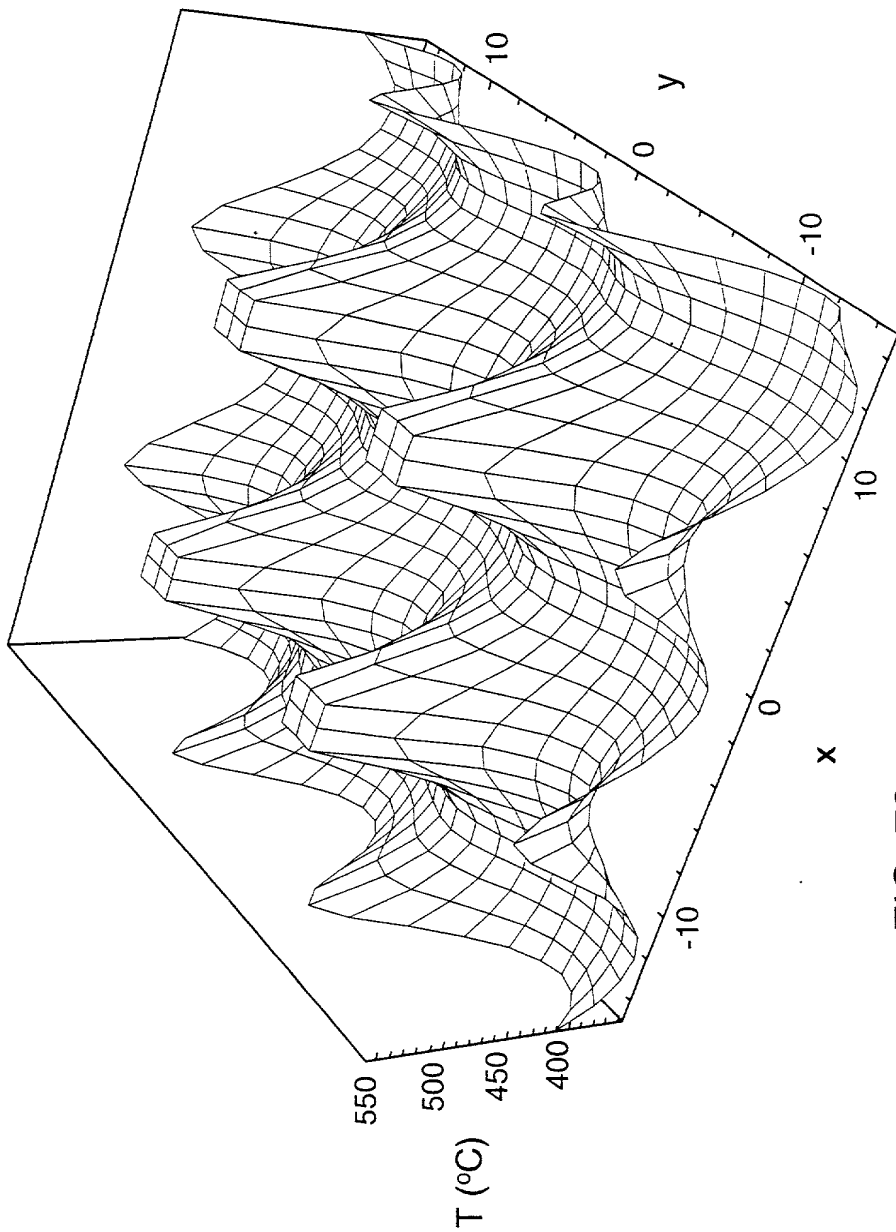


FIG. 79

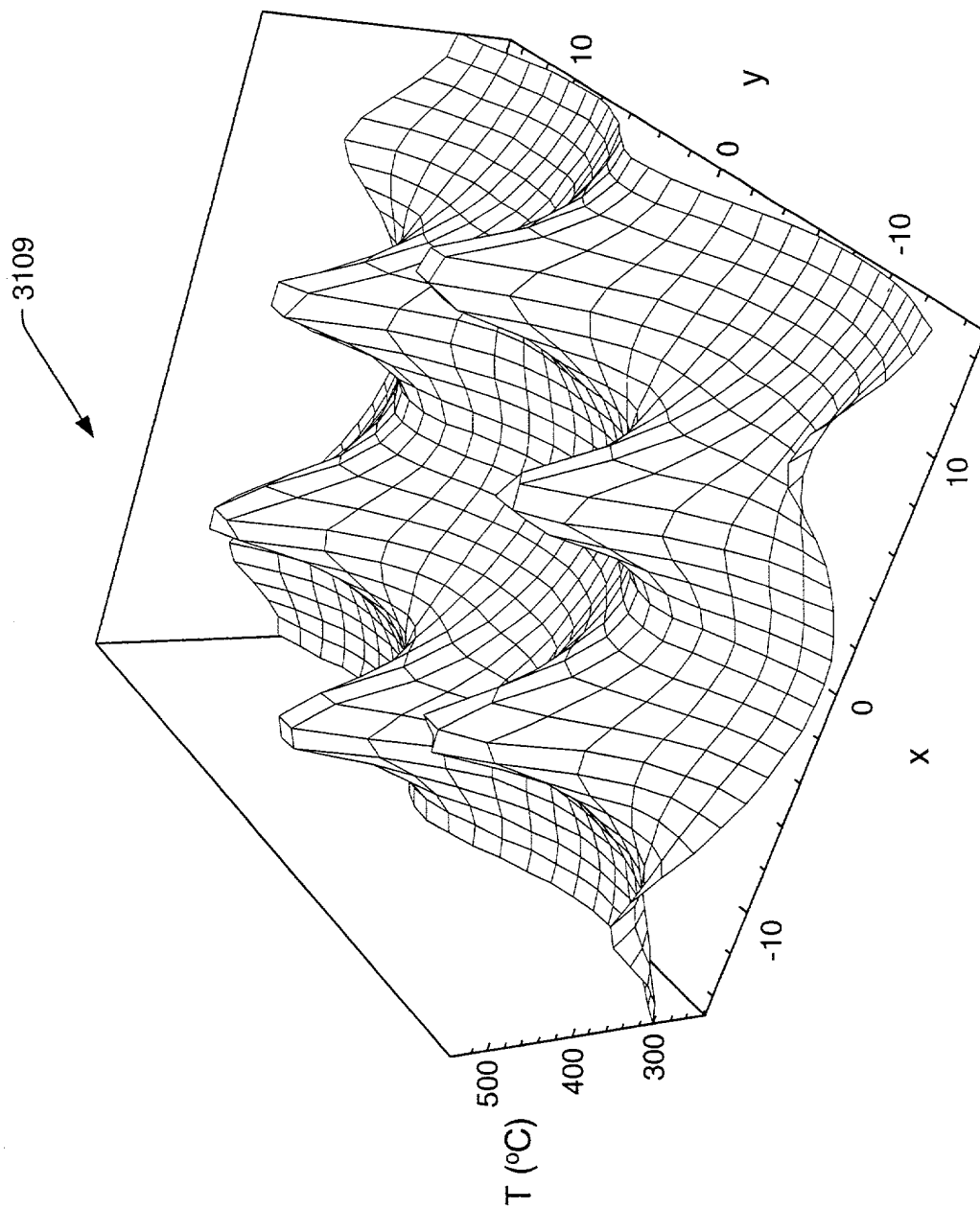


FIG. 79a

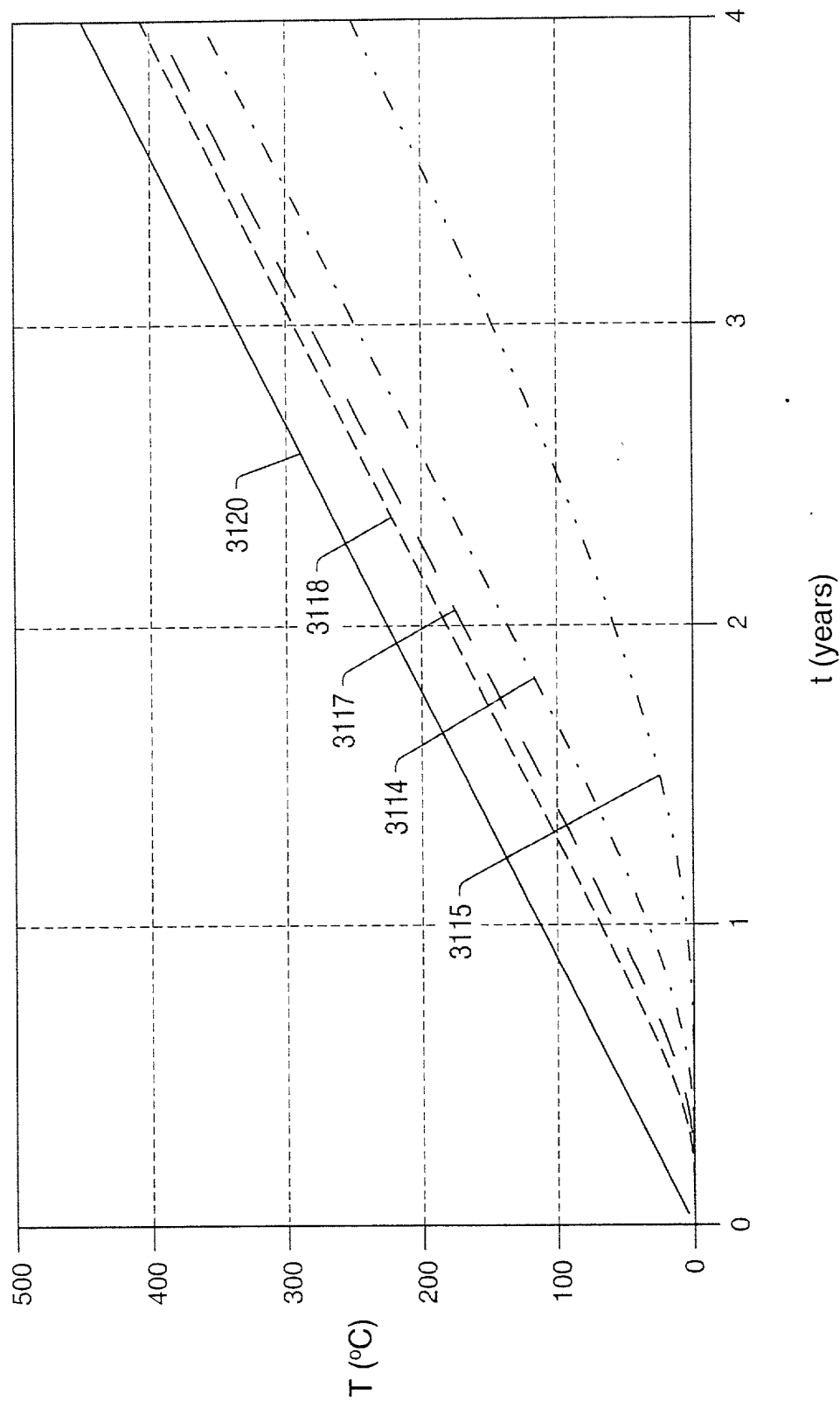


FIG. 80



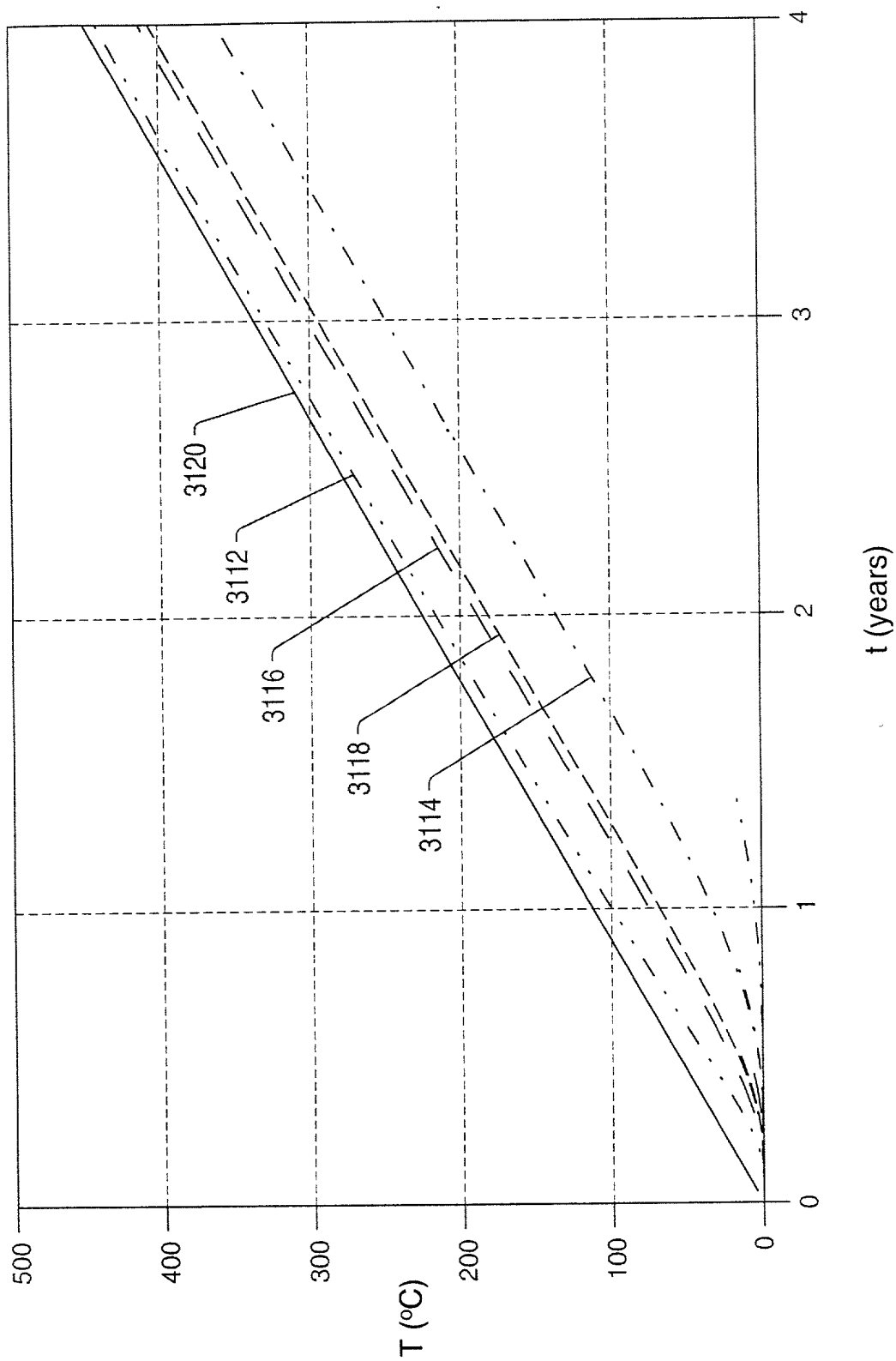


FIG. 81

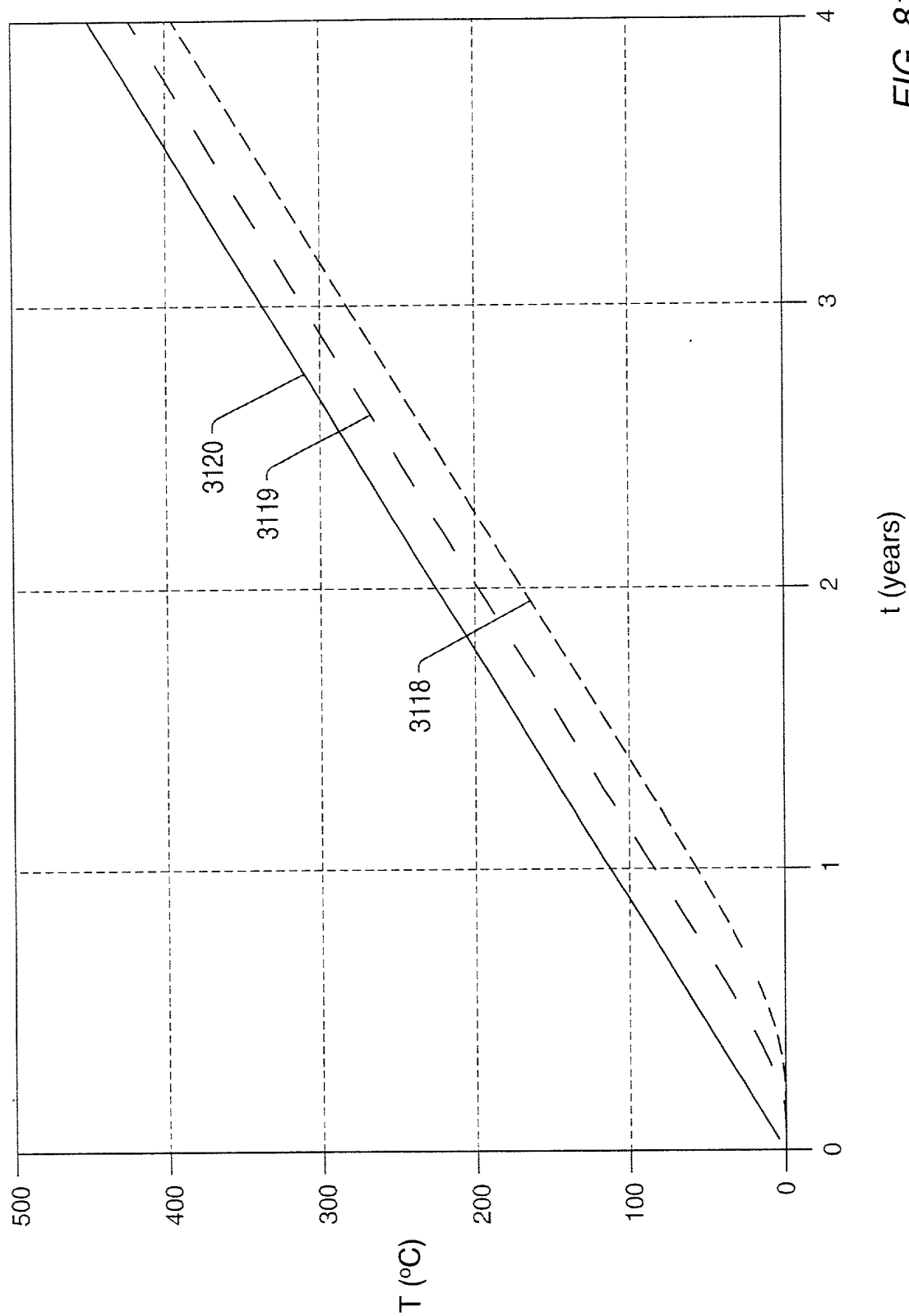


FIG. 81a

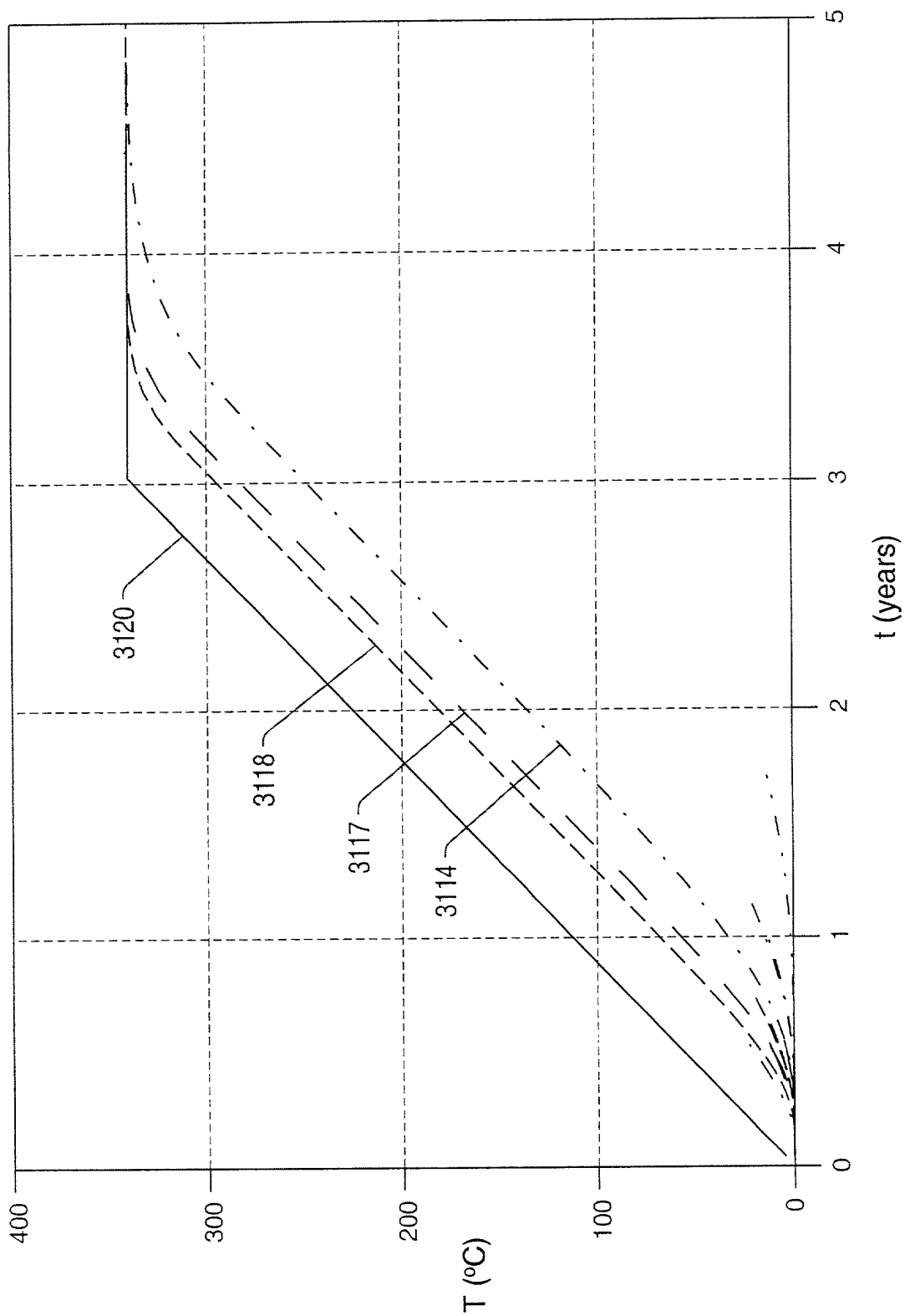


FIG. 81b

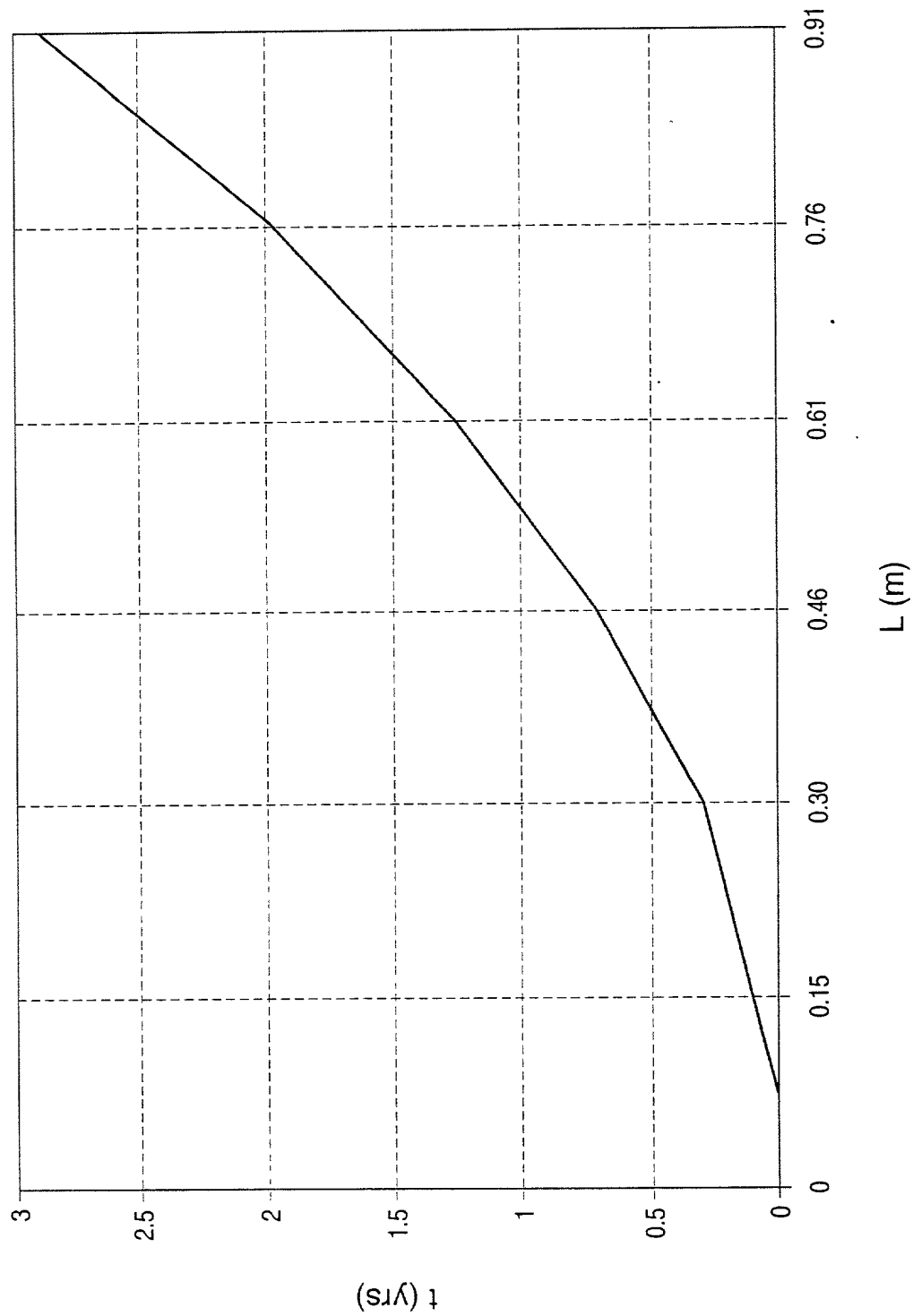


FIG. 82

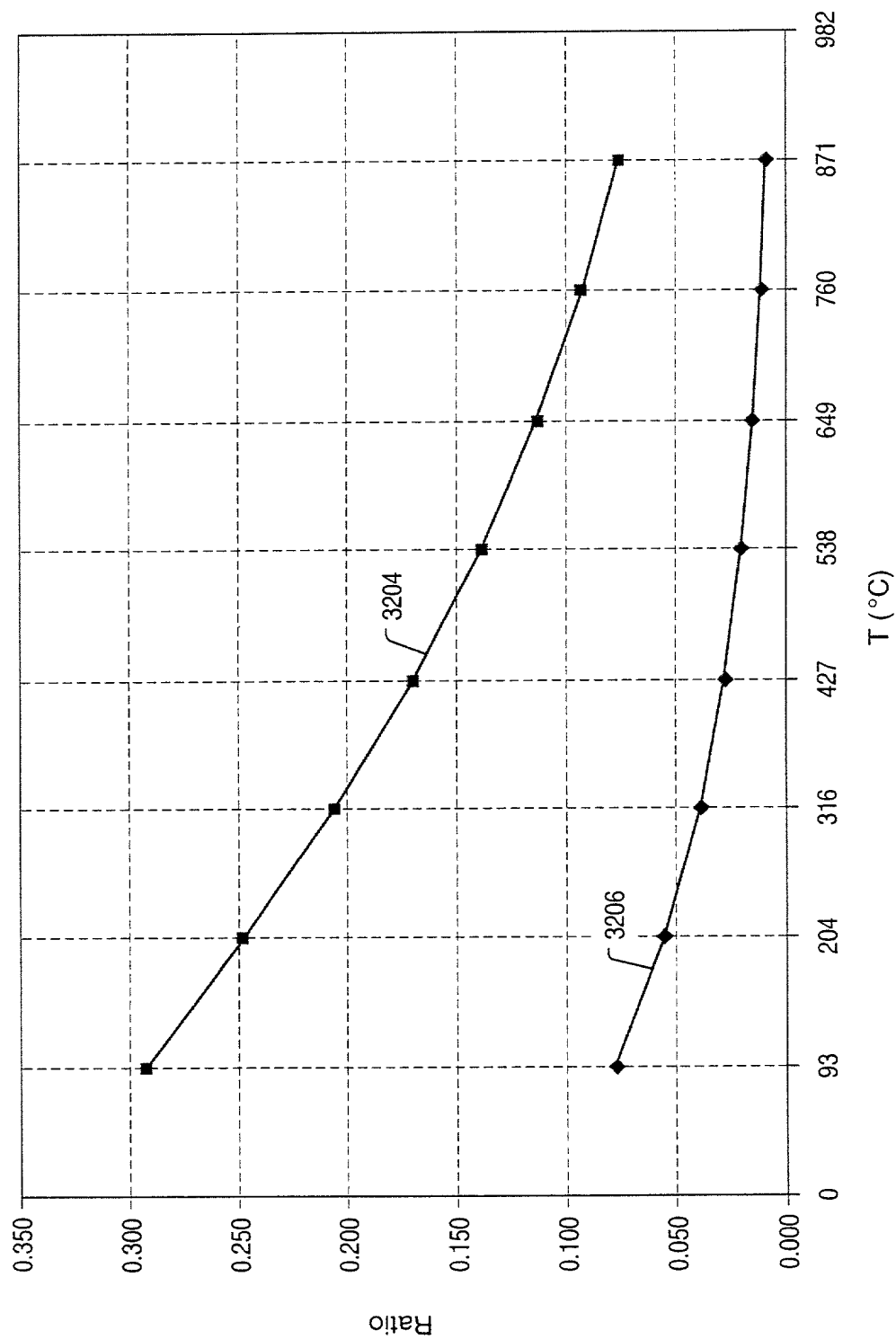


FIG. 83

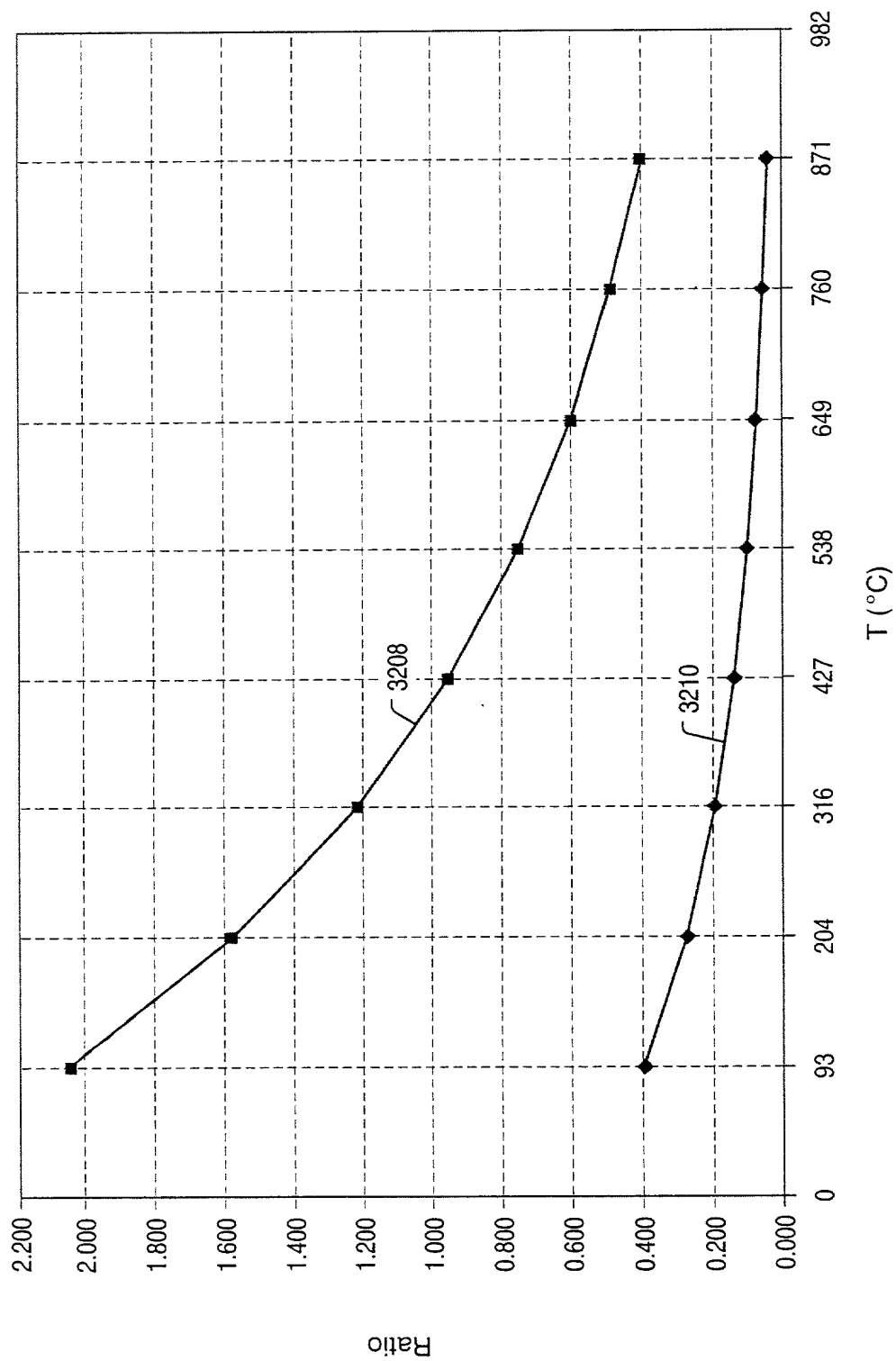


FIG. 84

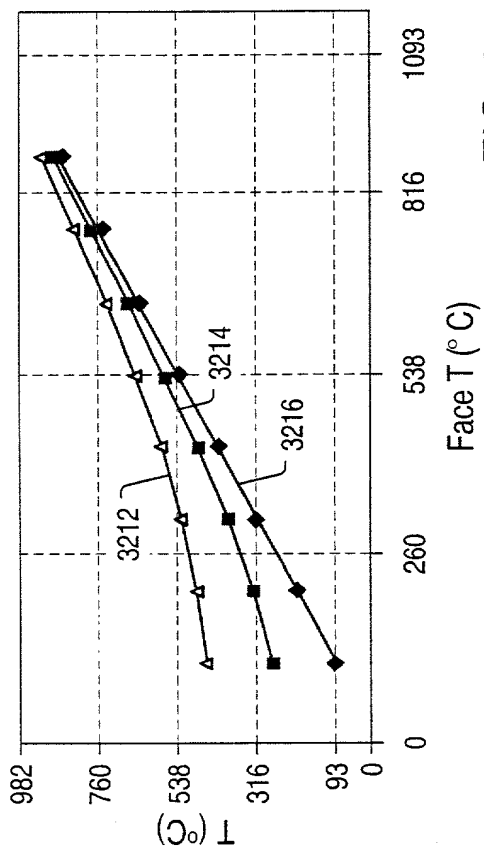


FIG. 85

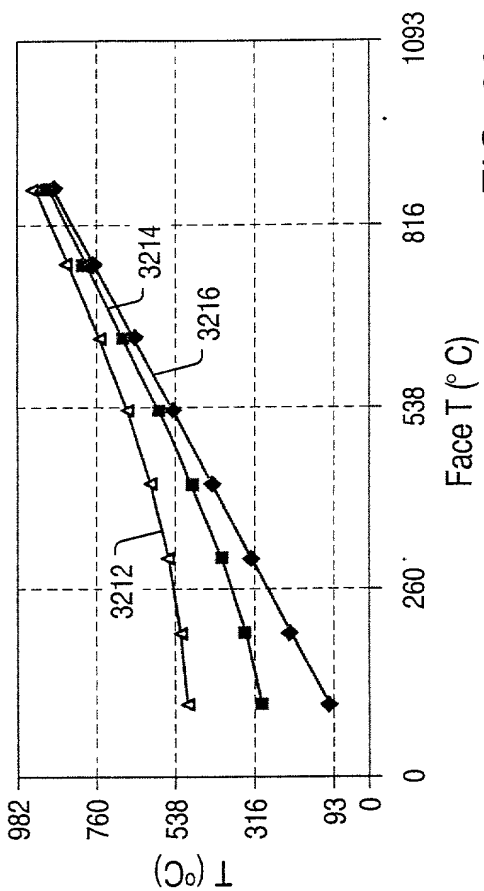


FIG. 86

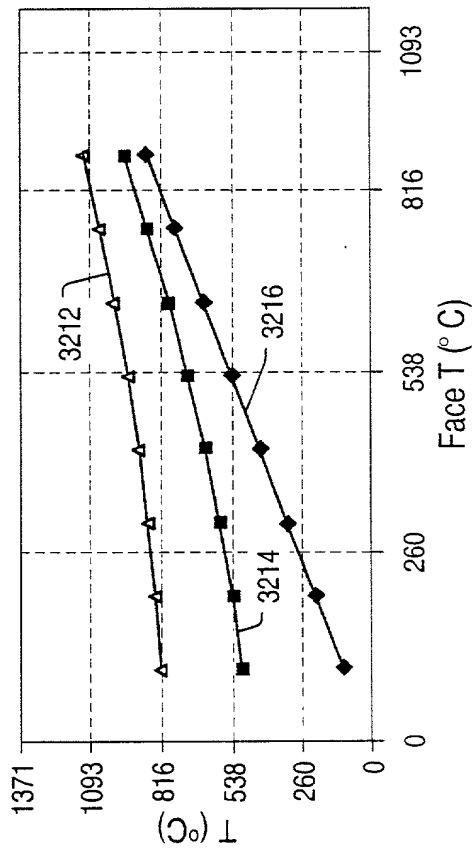


FIG. 87

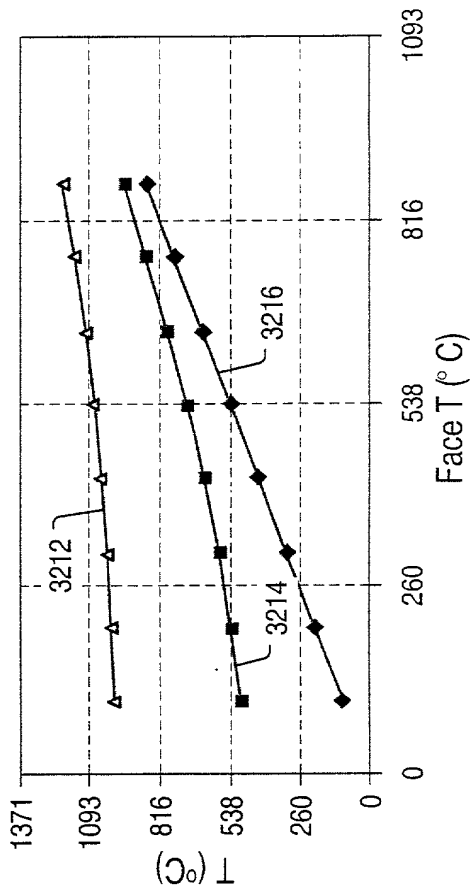


FIG. 88

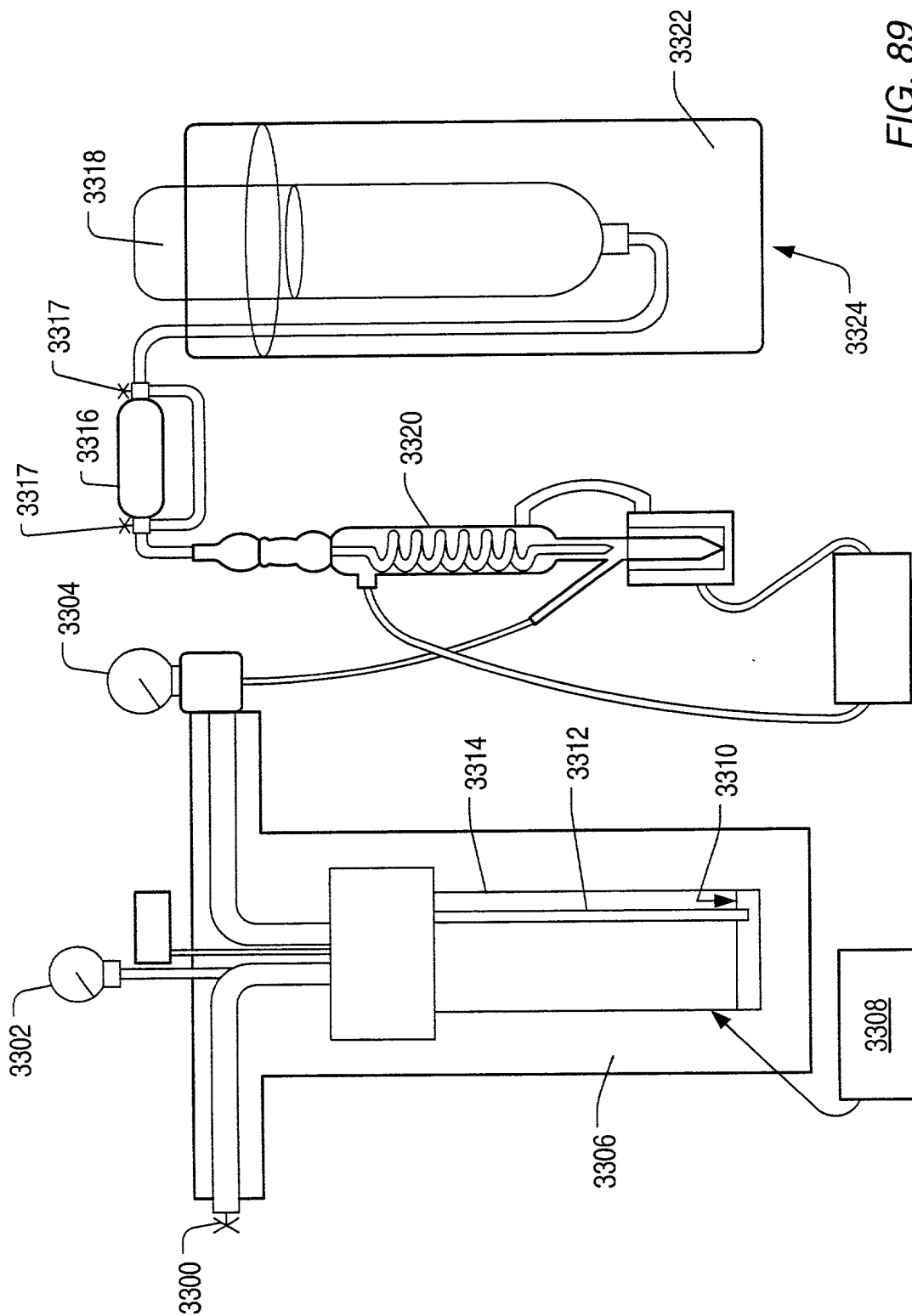


FIG. 89



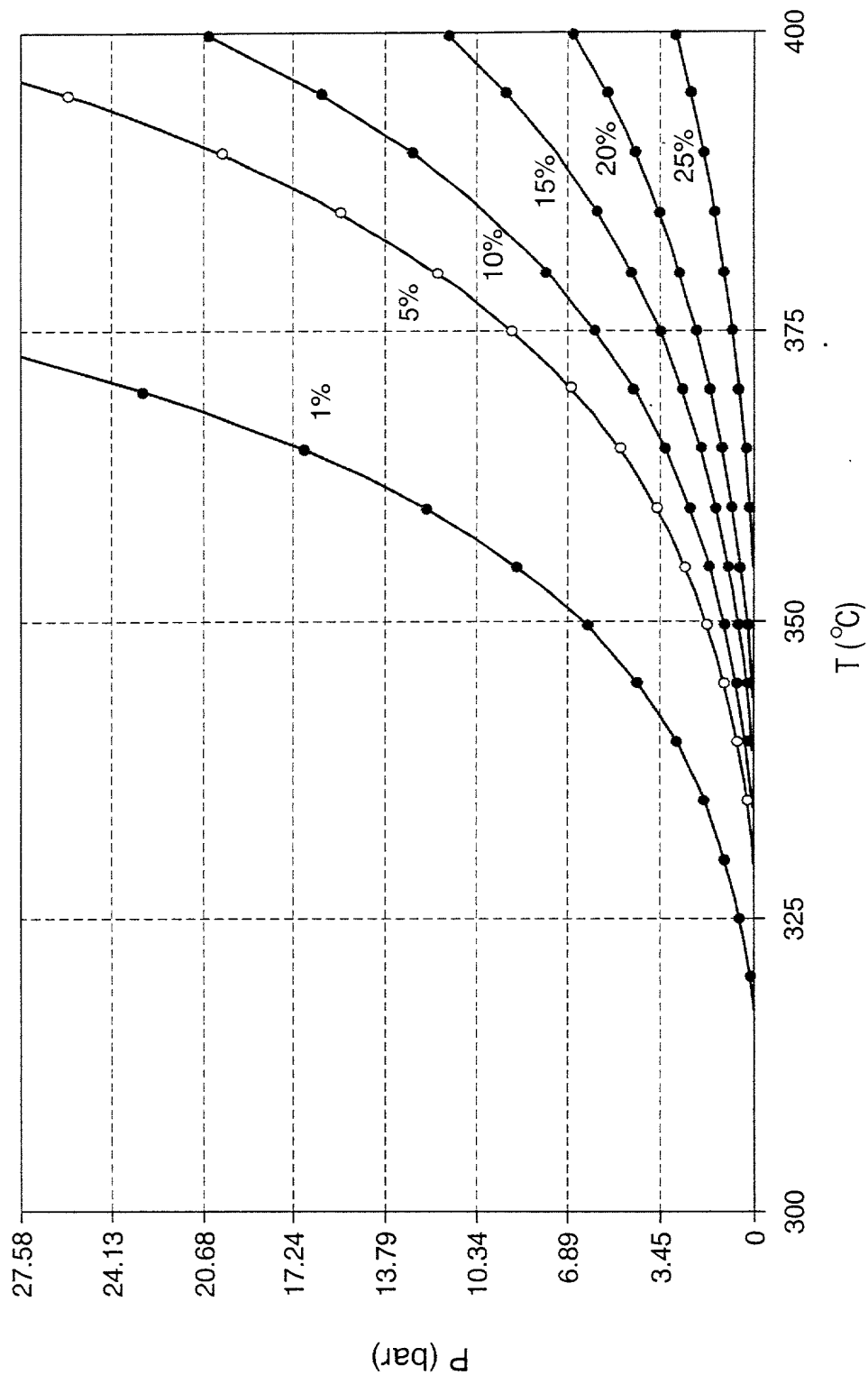


FIG. 90

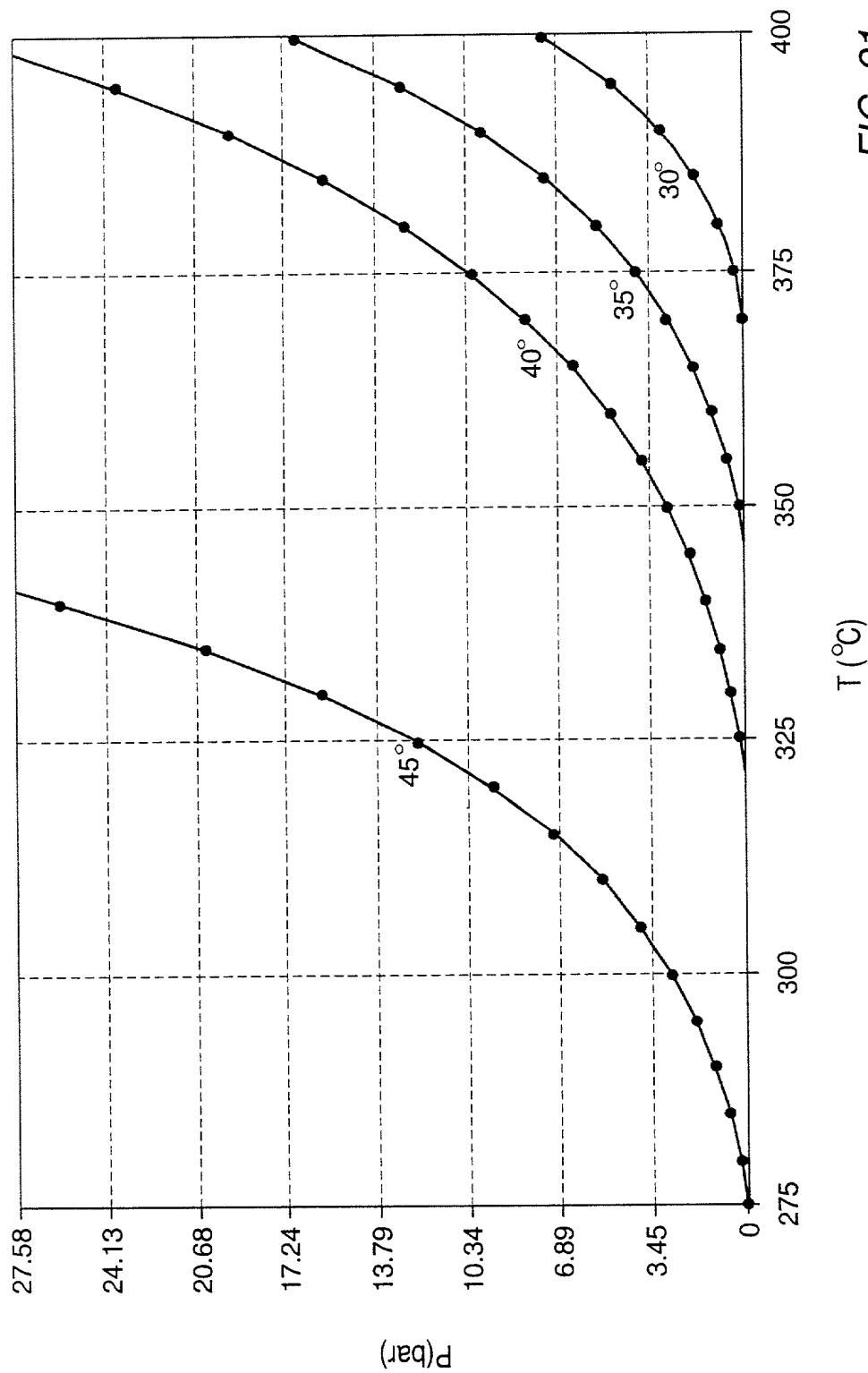


FIG. 91

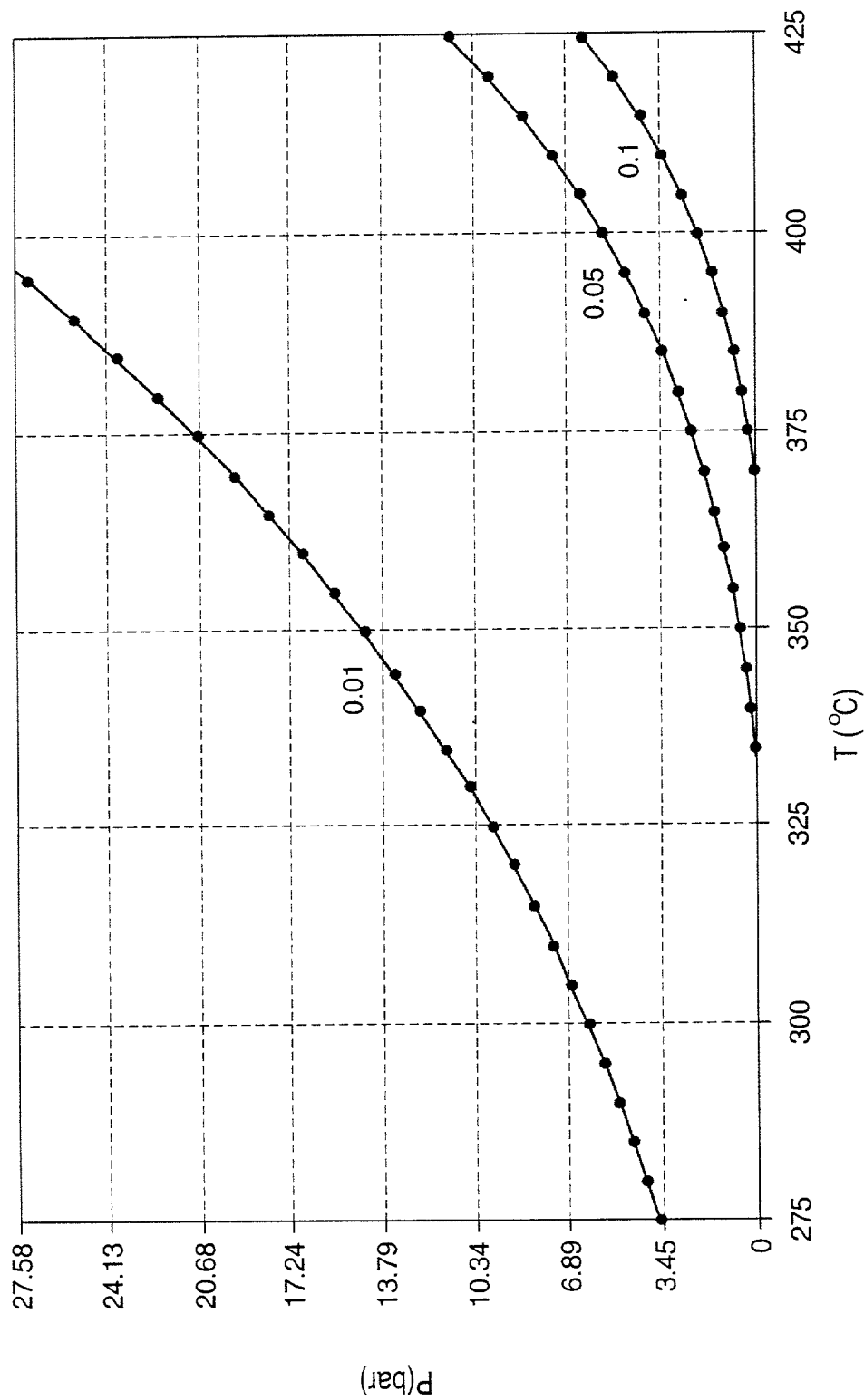


FIG. 92

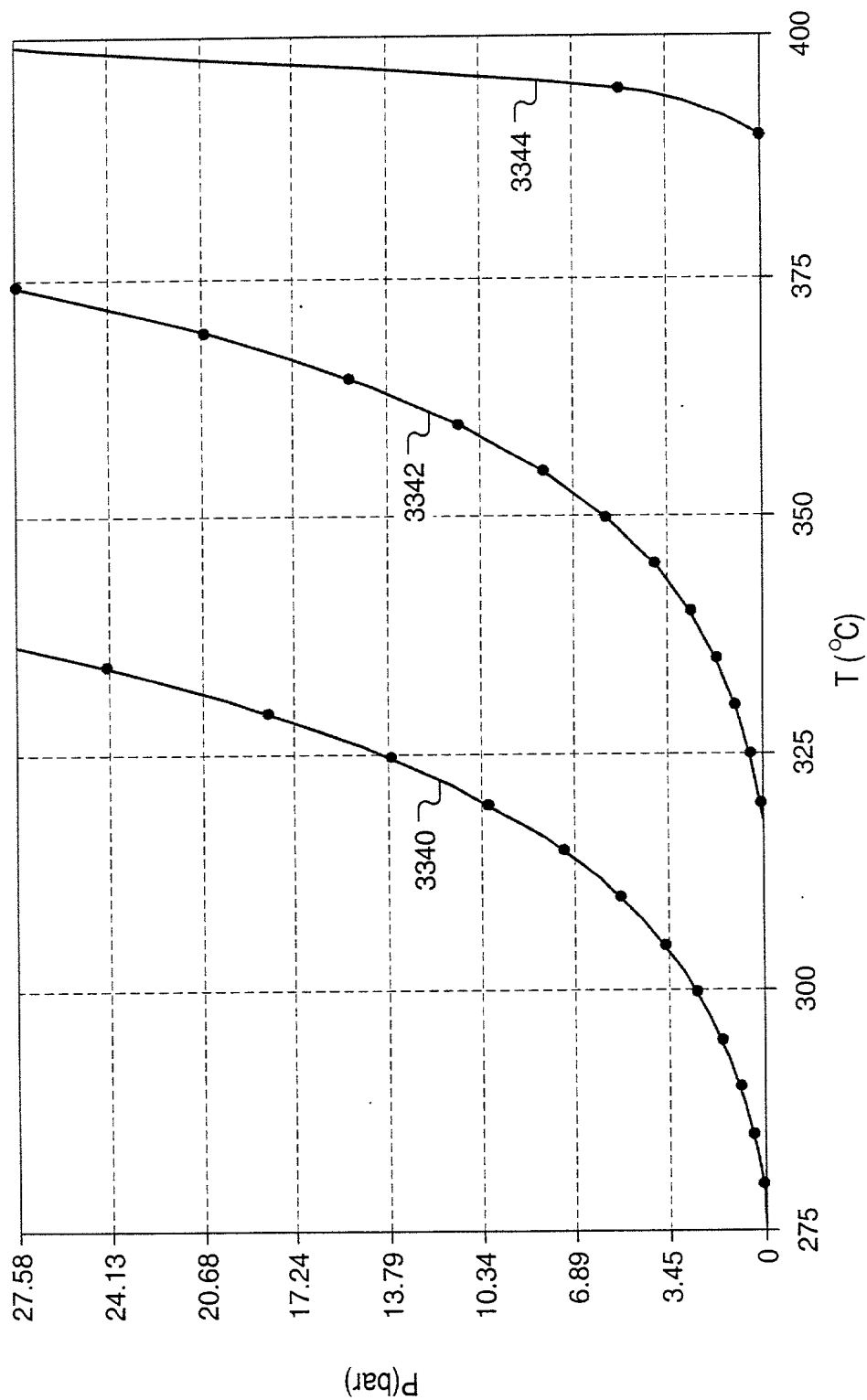


FIG. 93

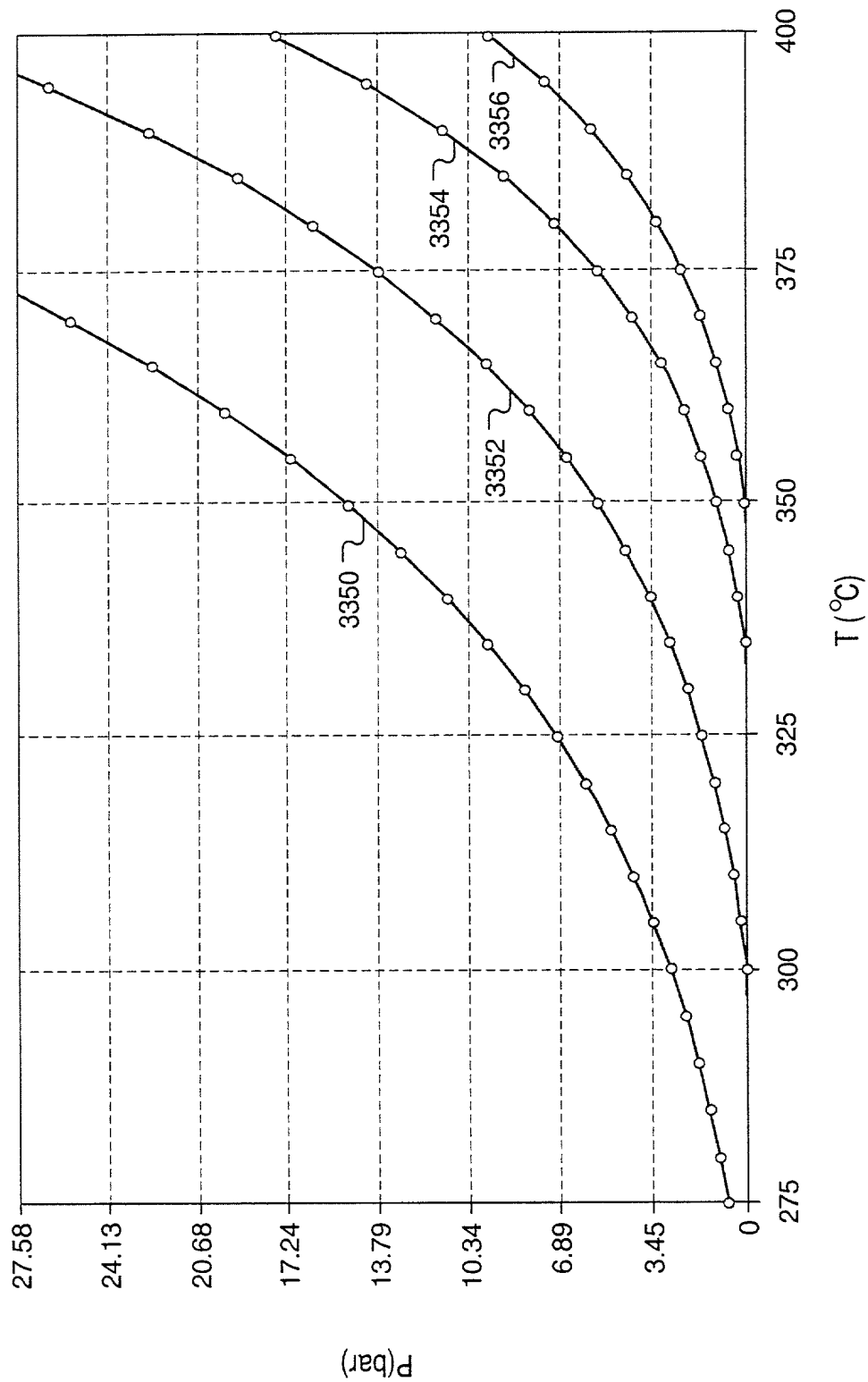


FIG. 94

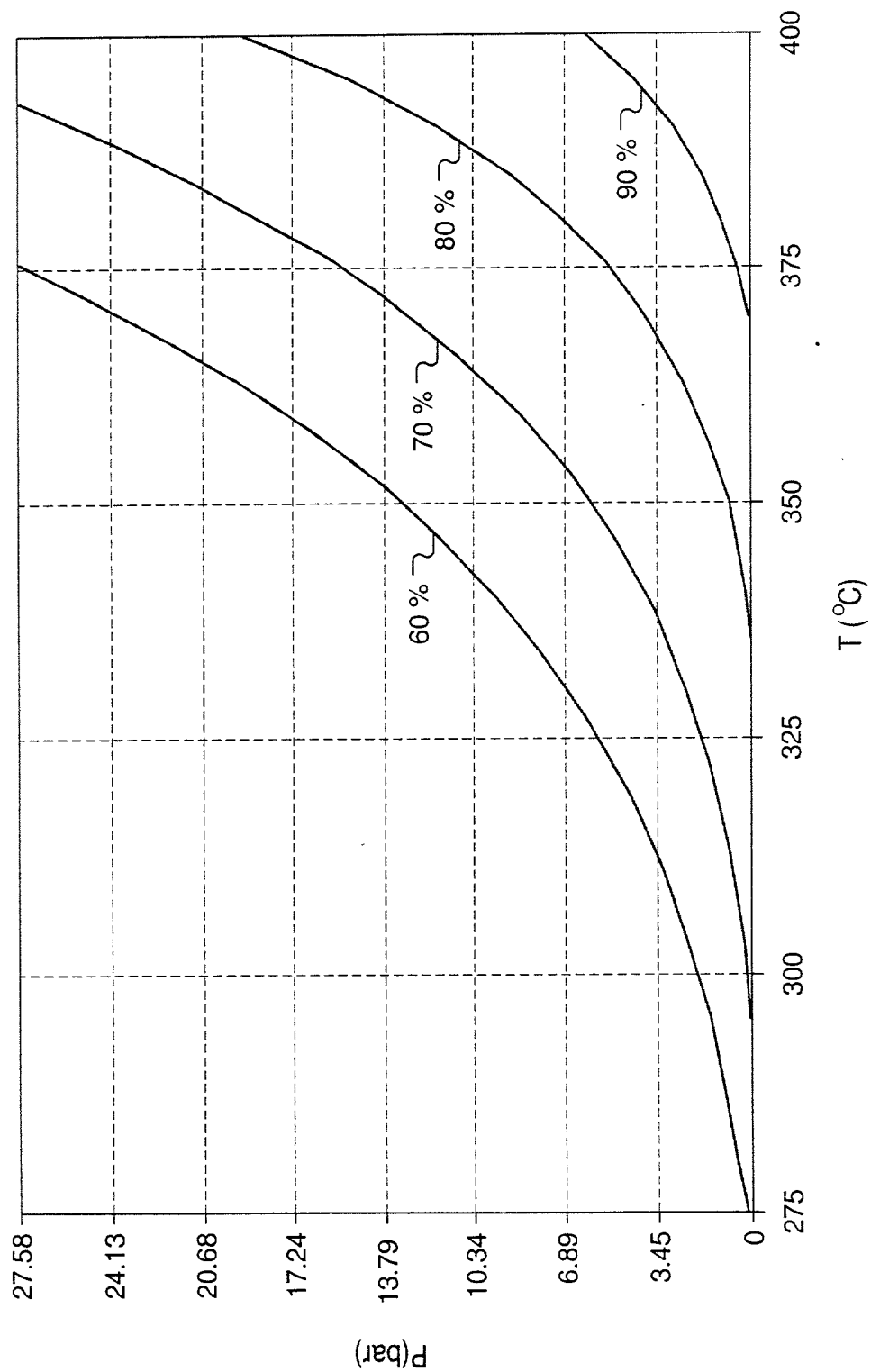


FIG. 95

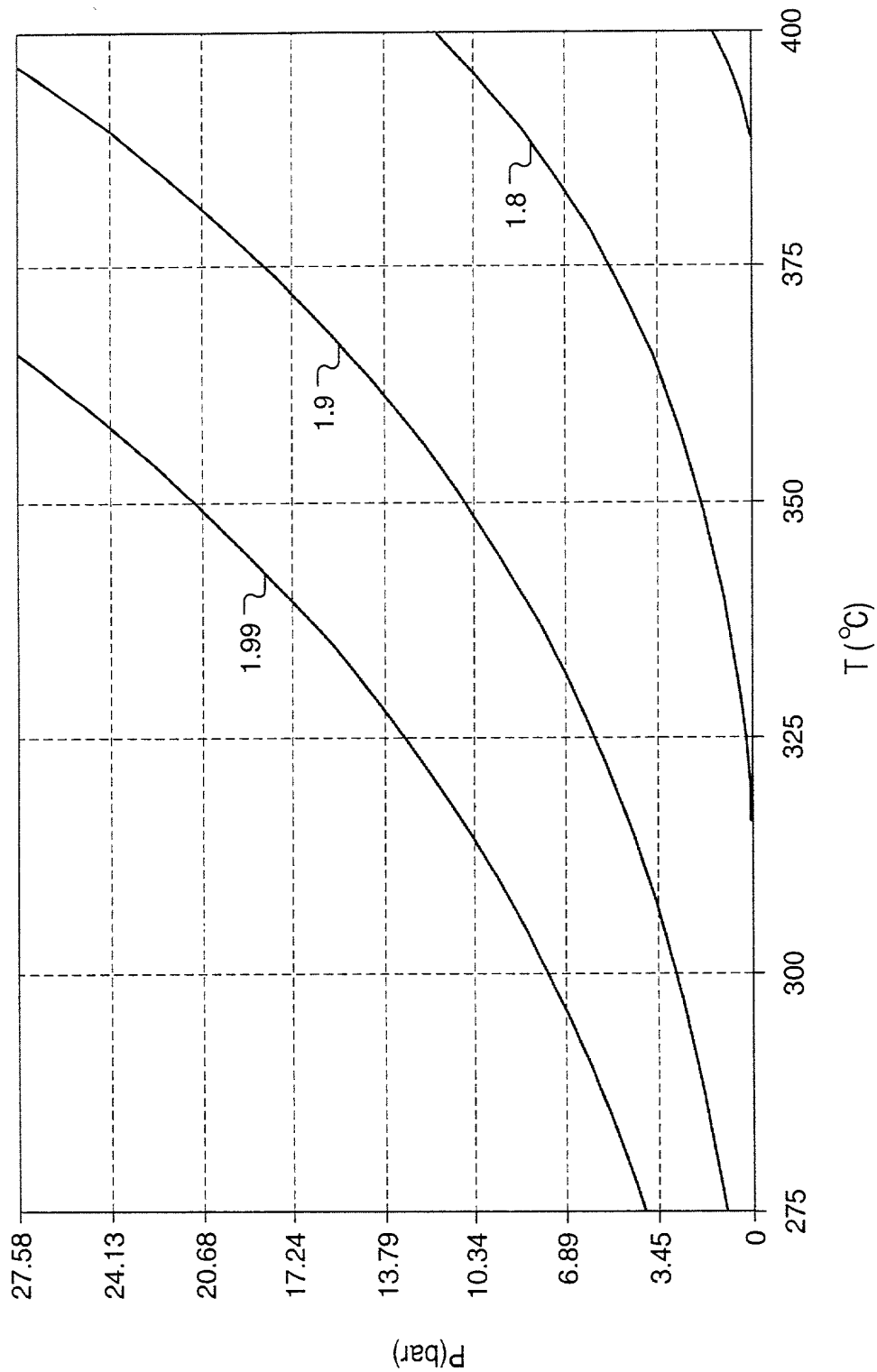


FIG. 96

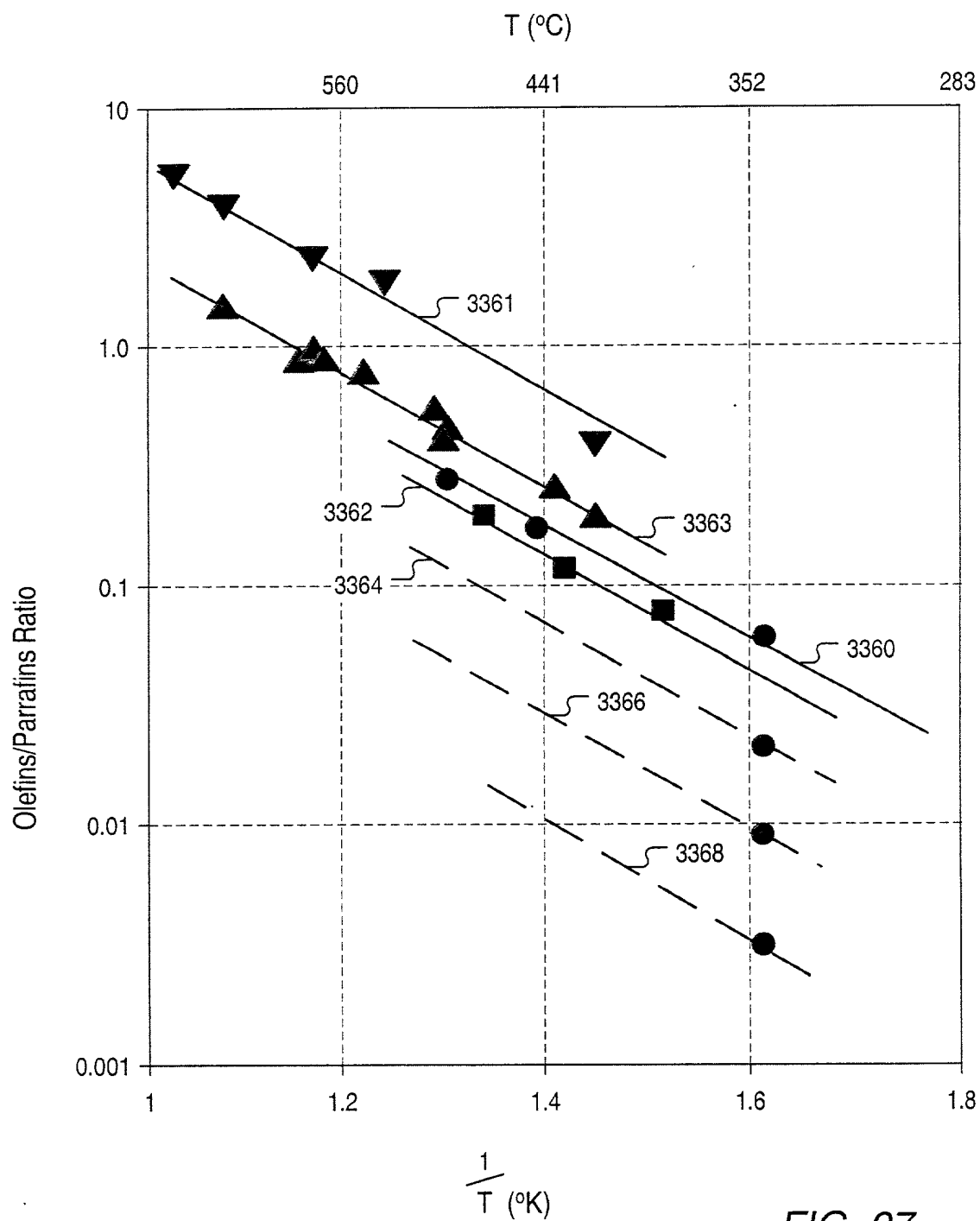


FIG. 97



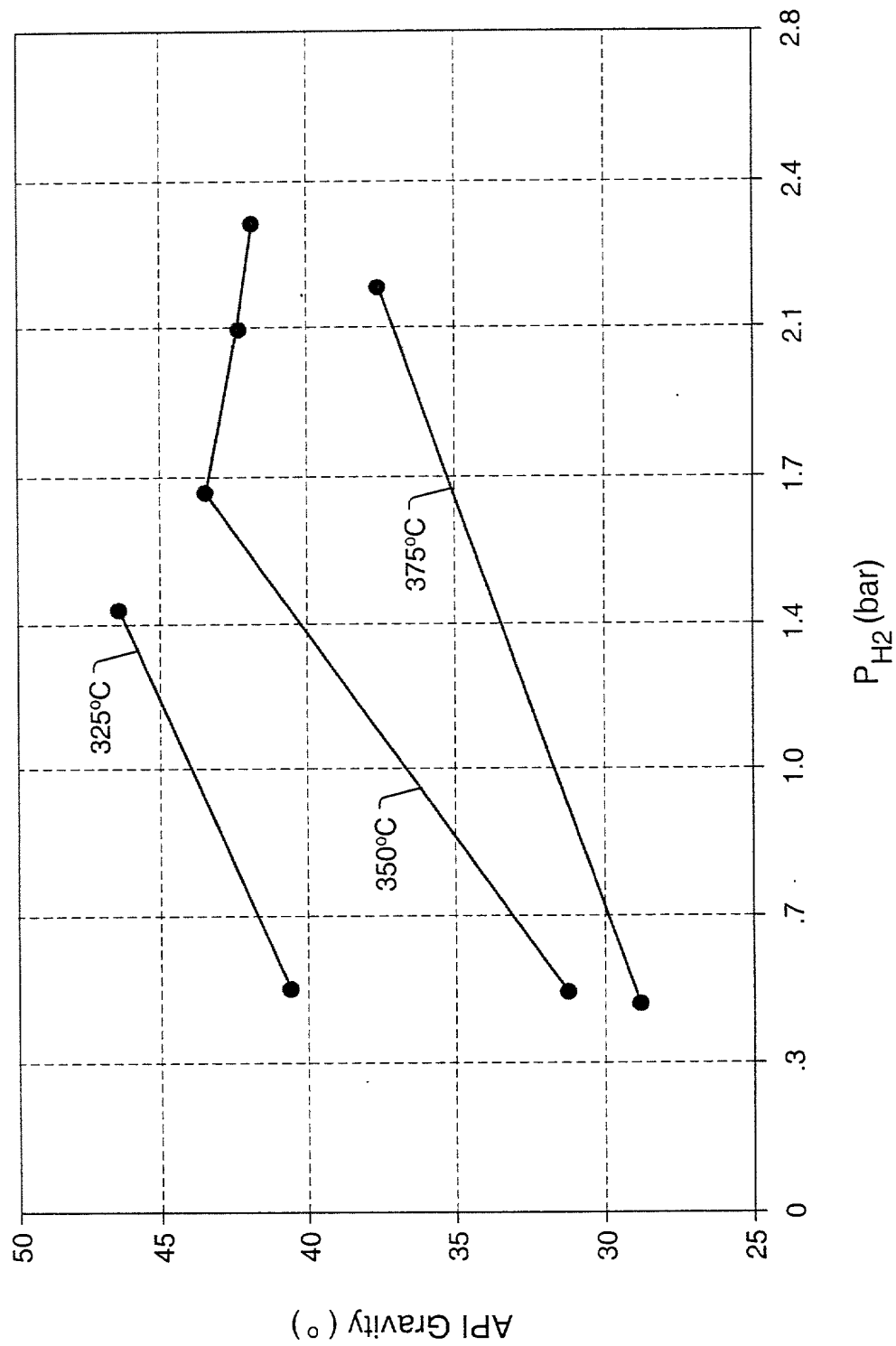


FIG. 98

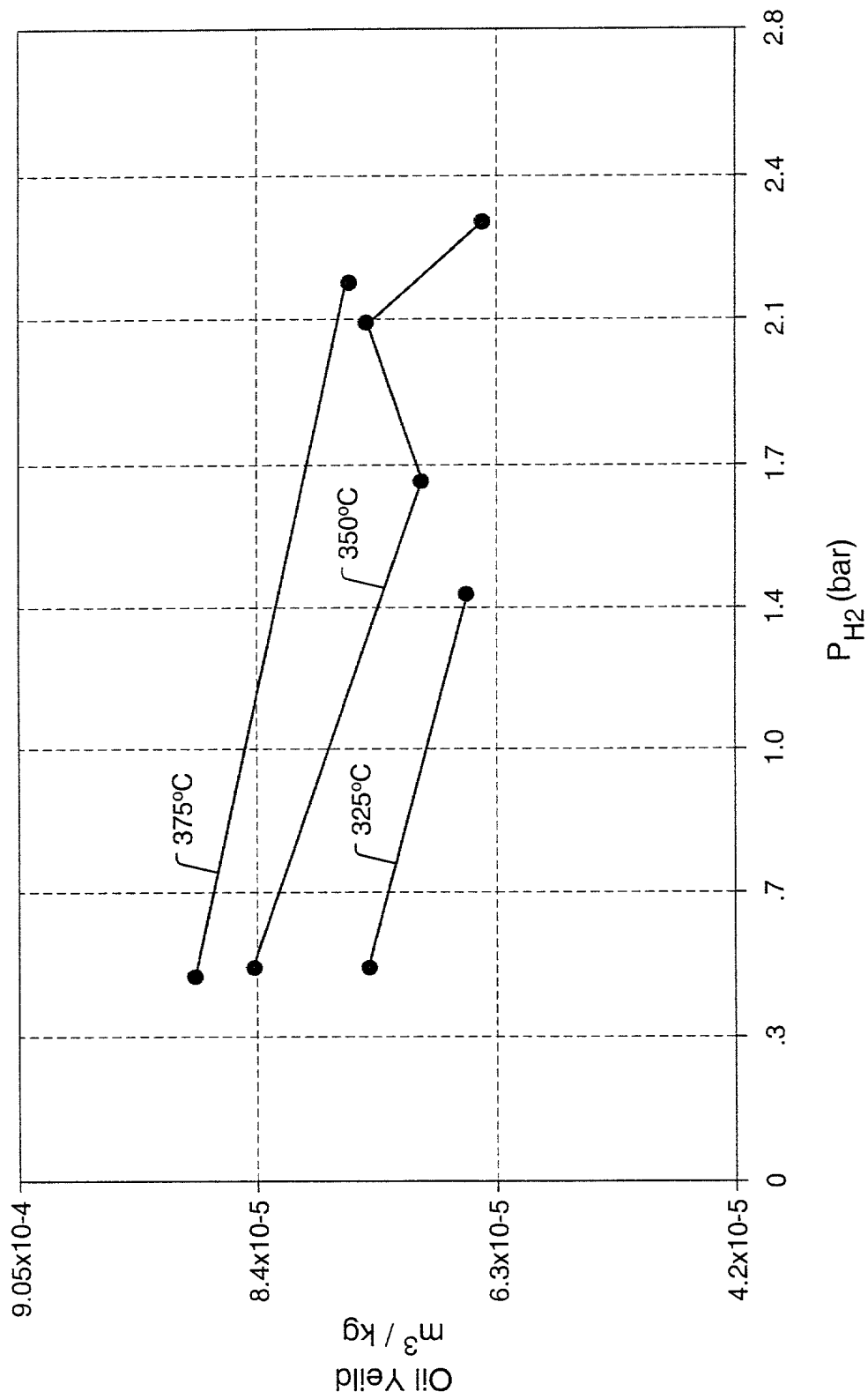


FIG. 99

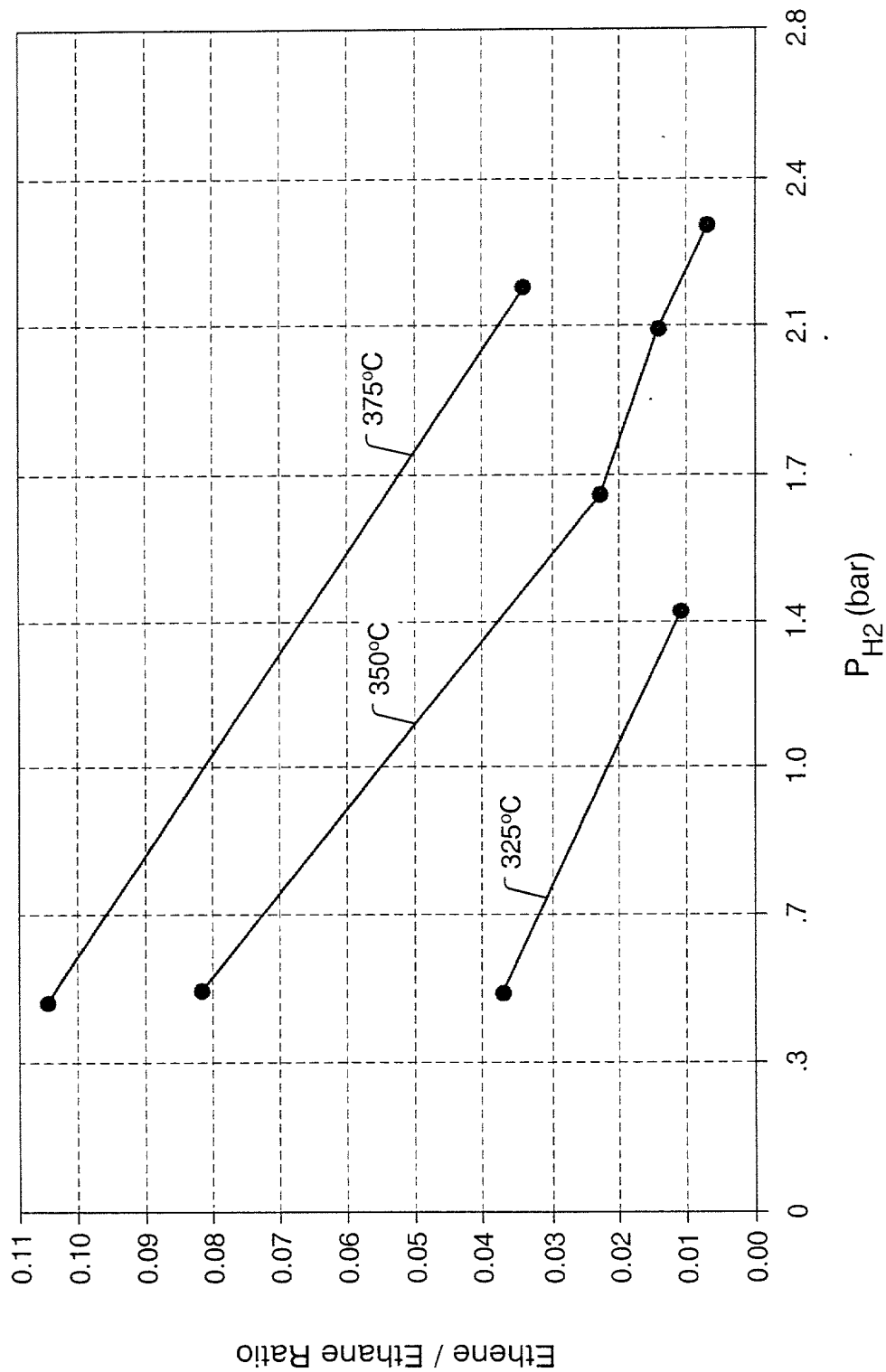


FIG. 100

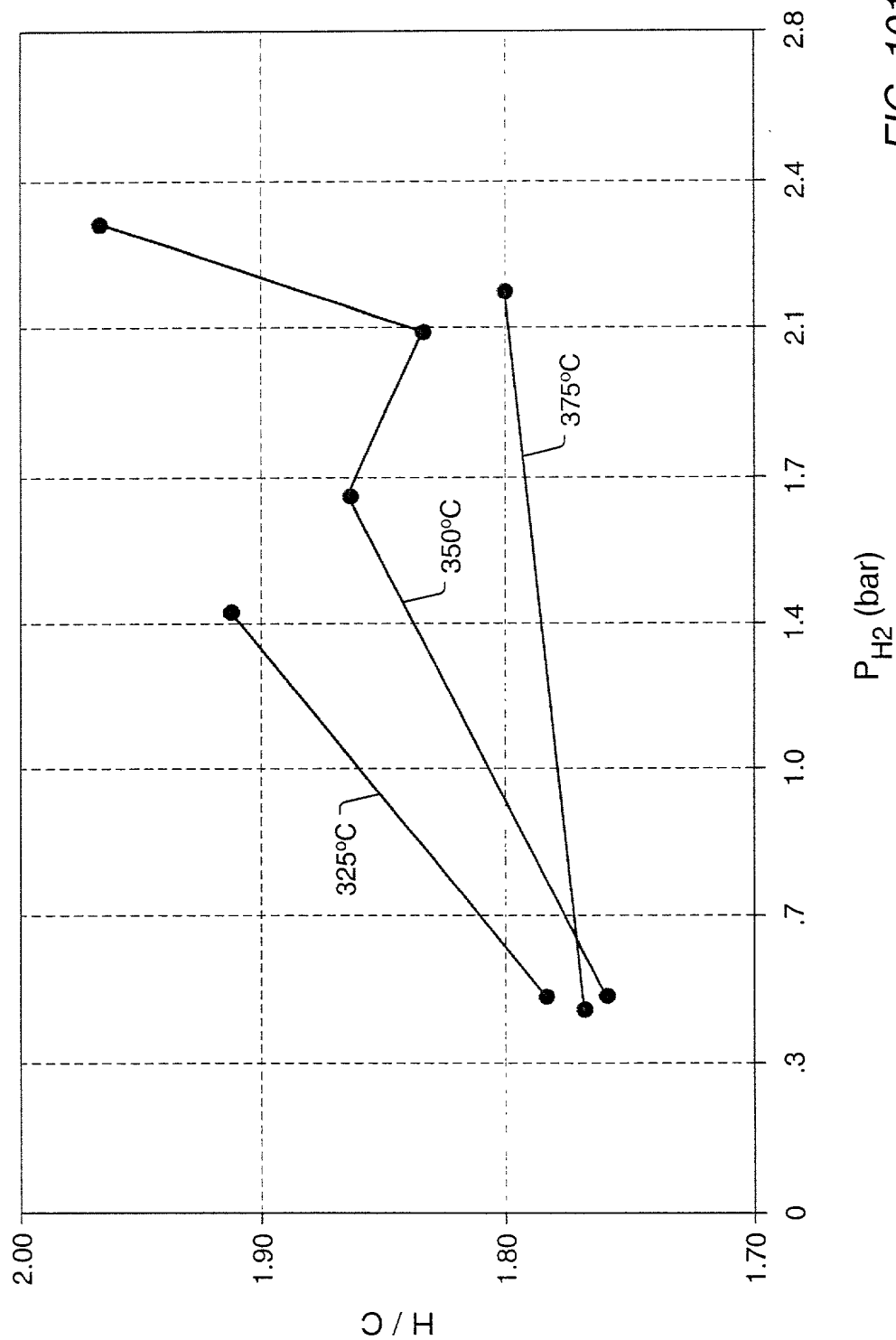


FIG. 101

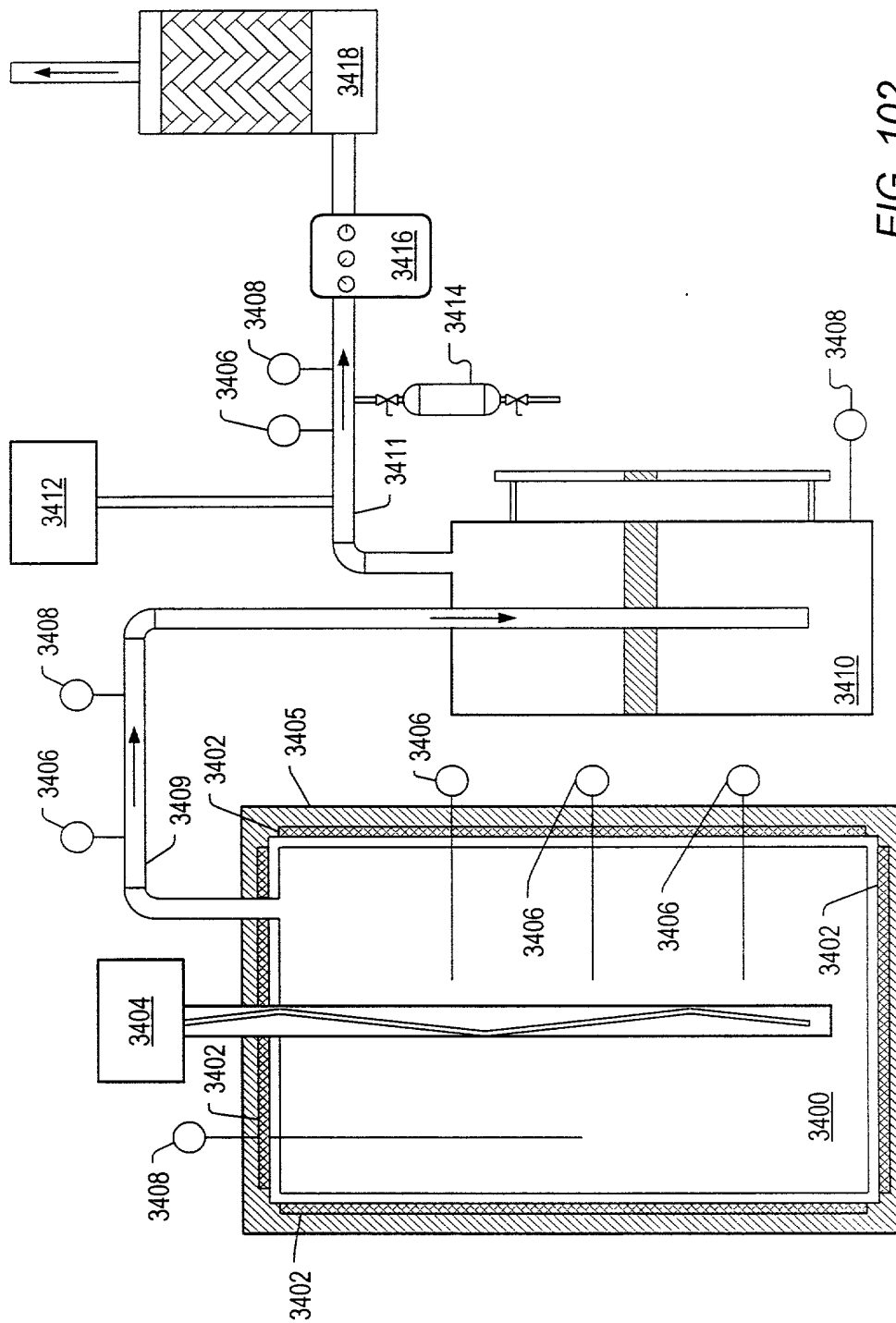
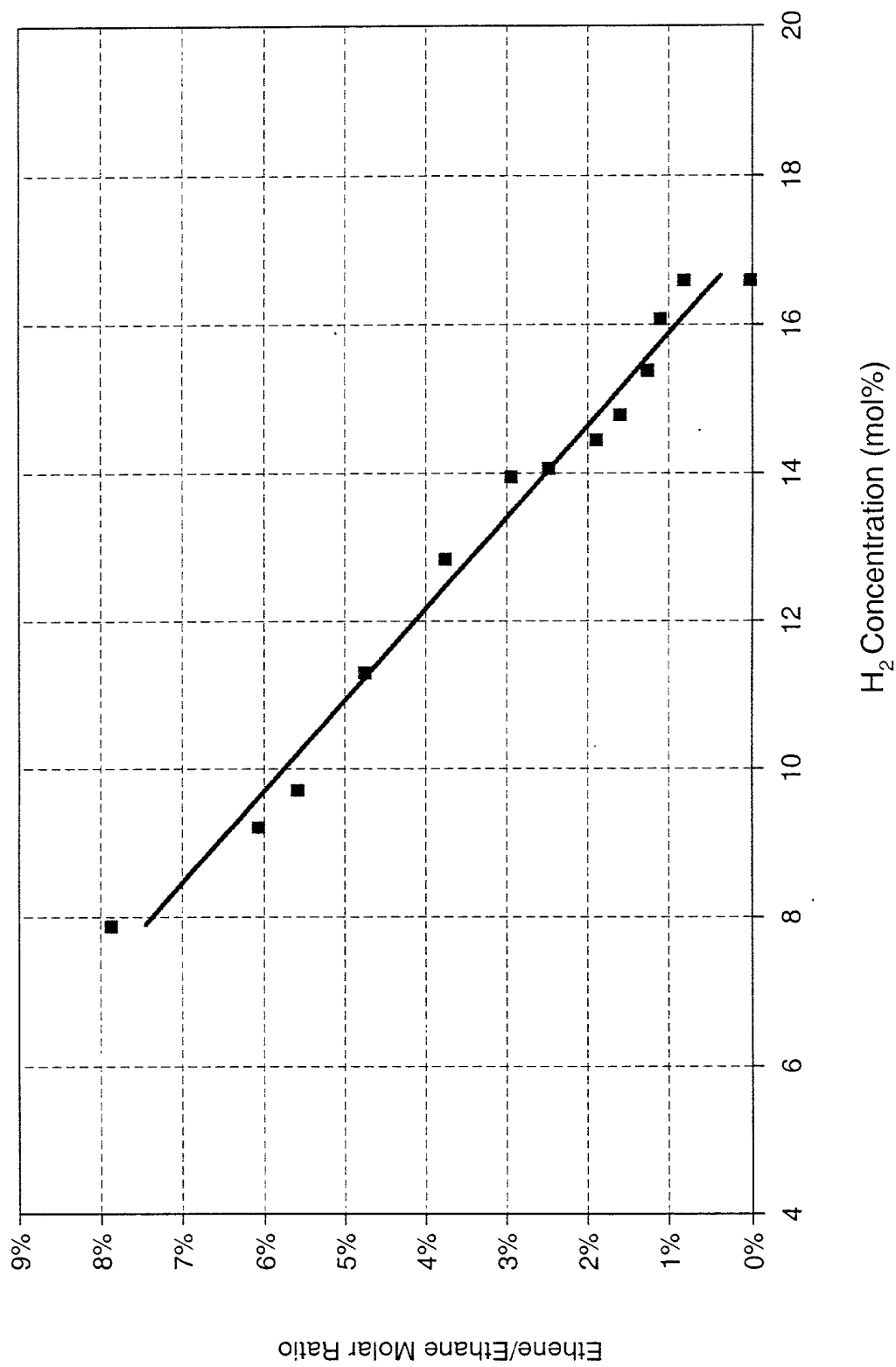
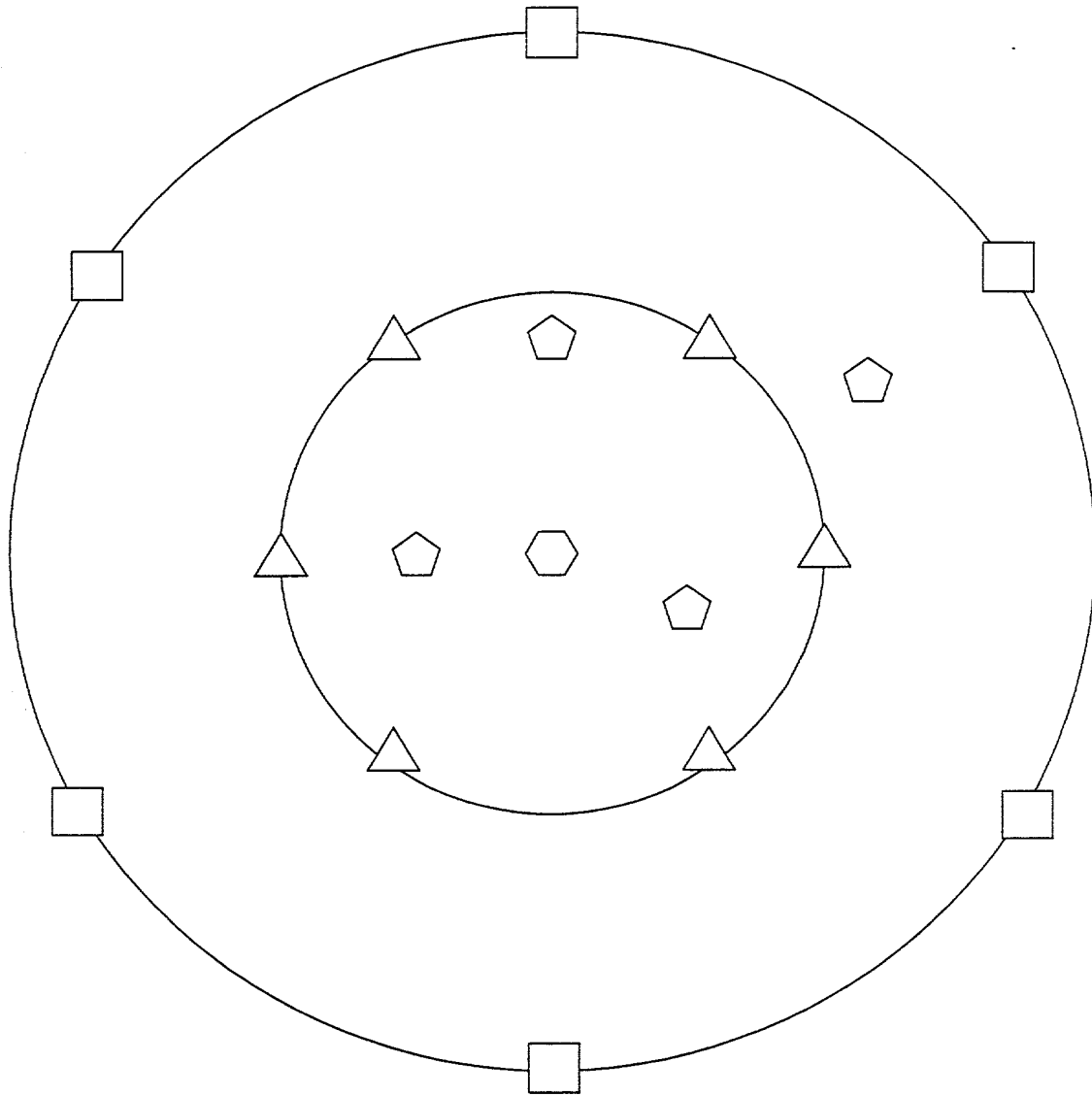


FIG. 102



0941295-042401



△ - 3600

⬠ - 3603

□ - 3604

⬡ - 3602

FIG. 104

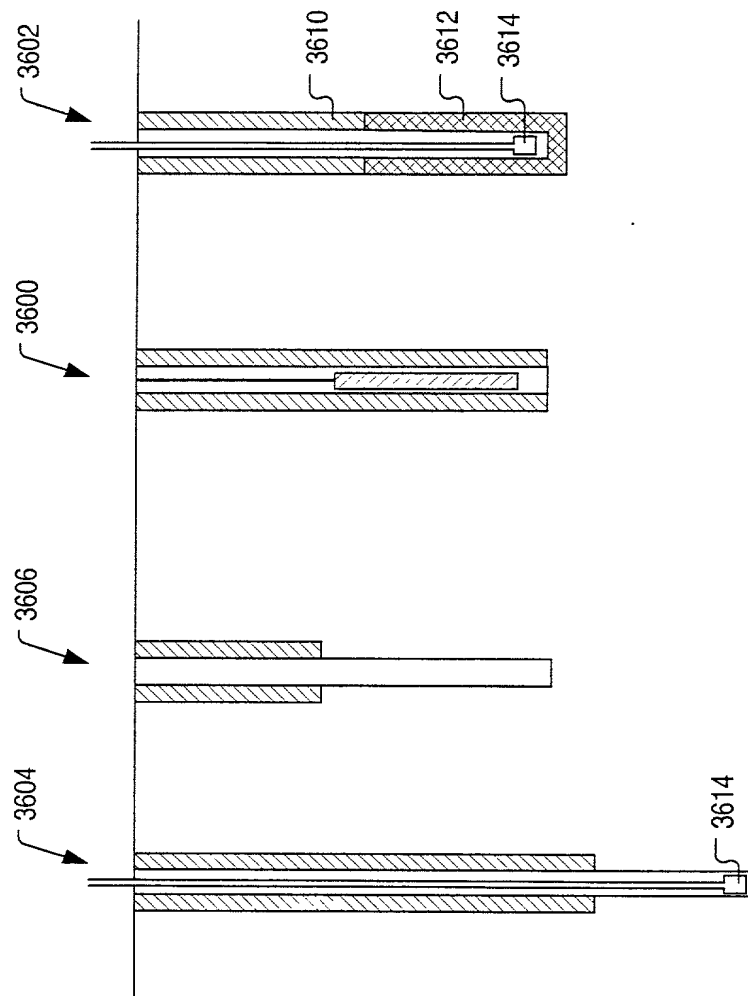


FIG. 105



T04240" 962T4860

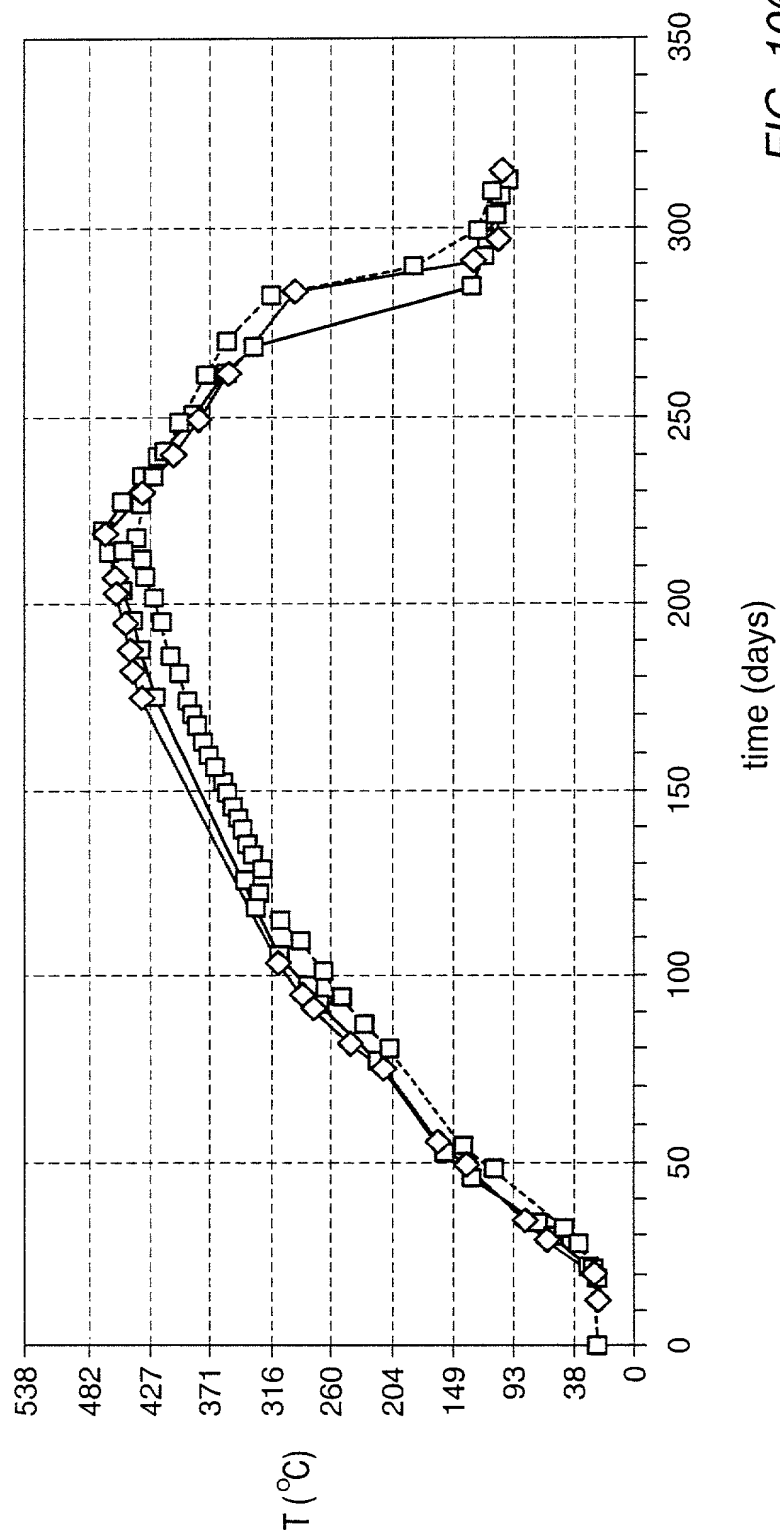


FIG. 106

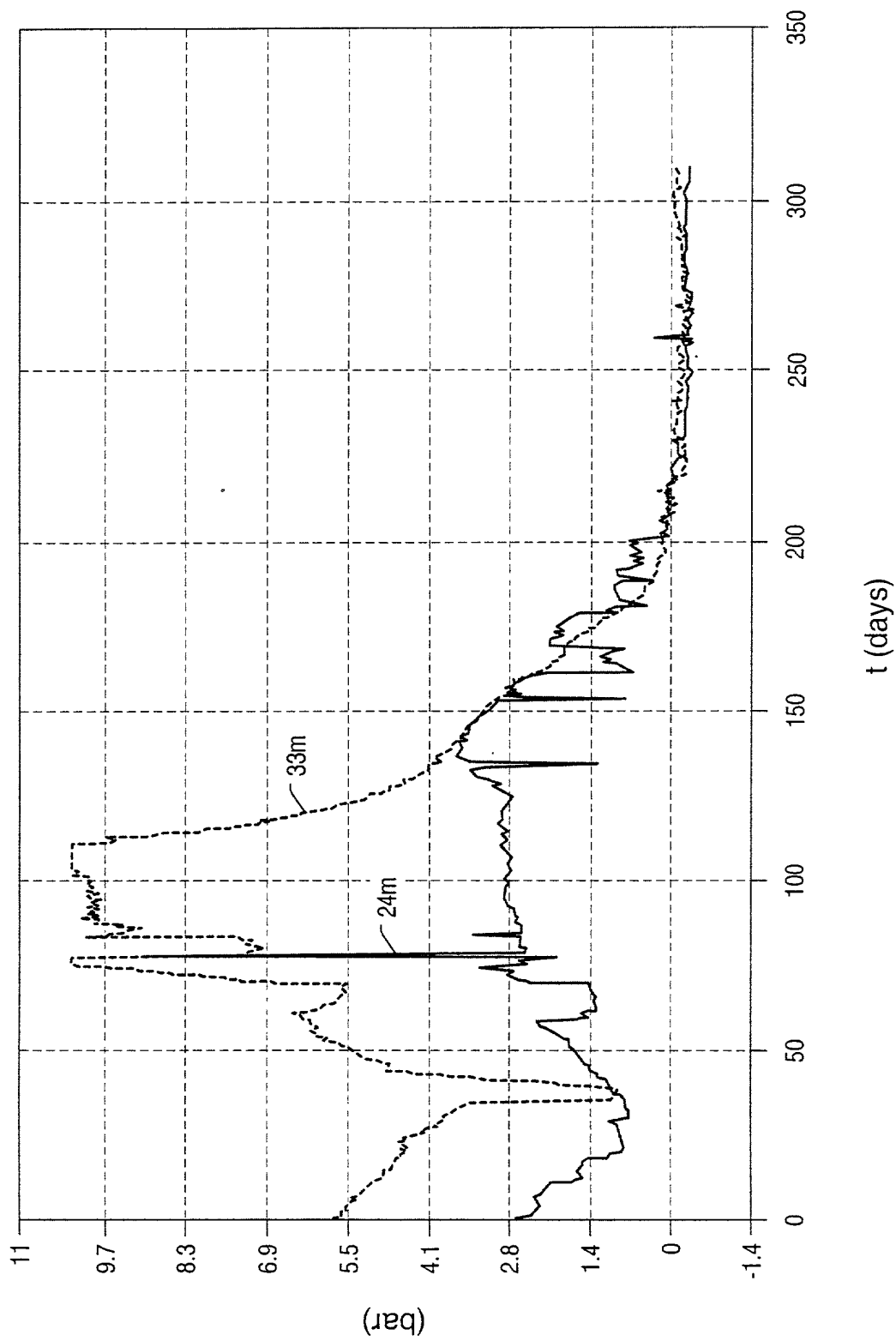


FIG. 107

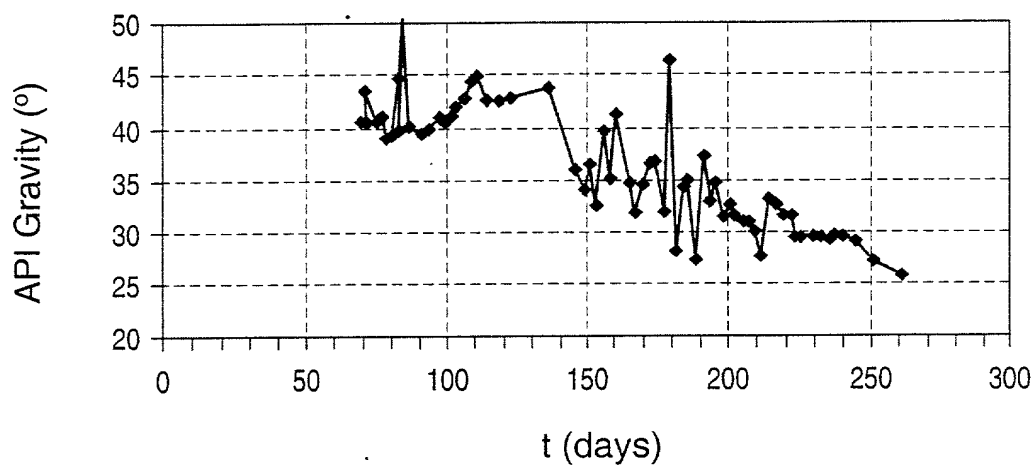


FIG. 108

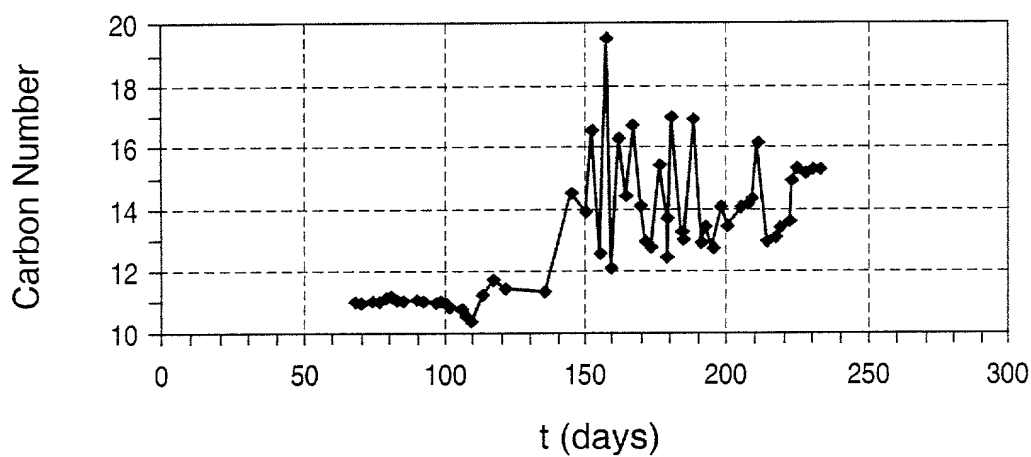


FIG. 109

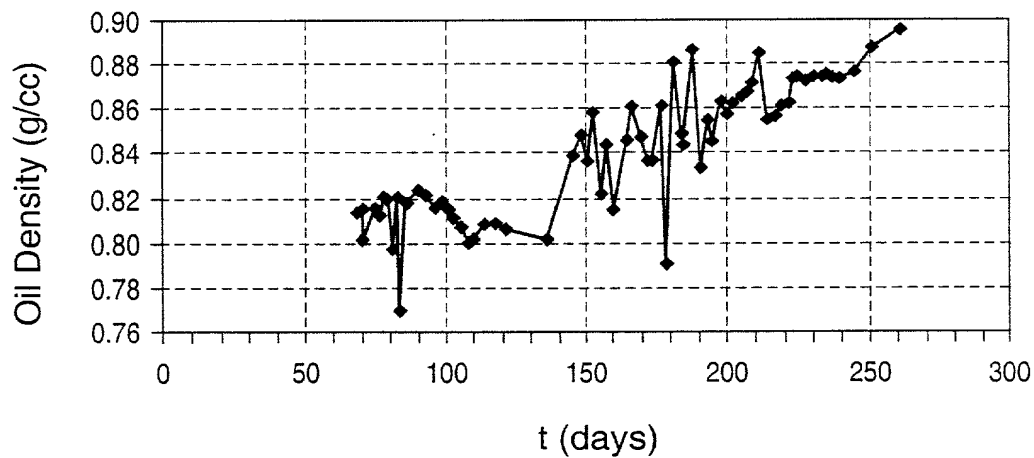


FIG. 110

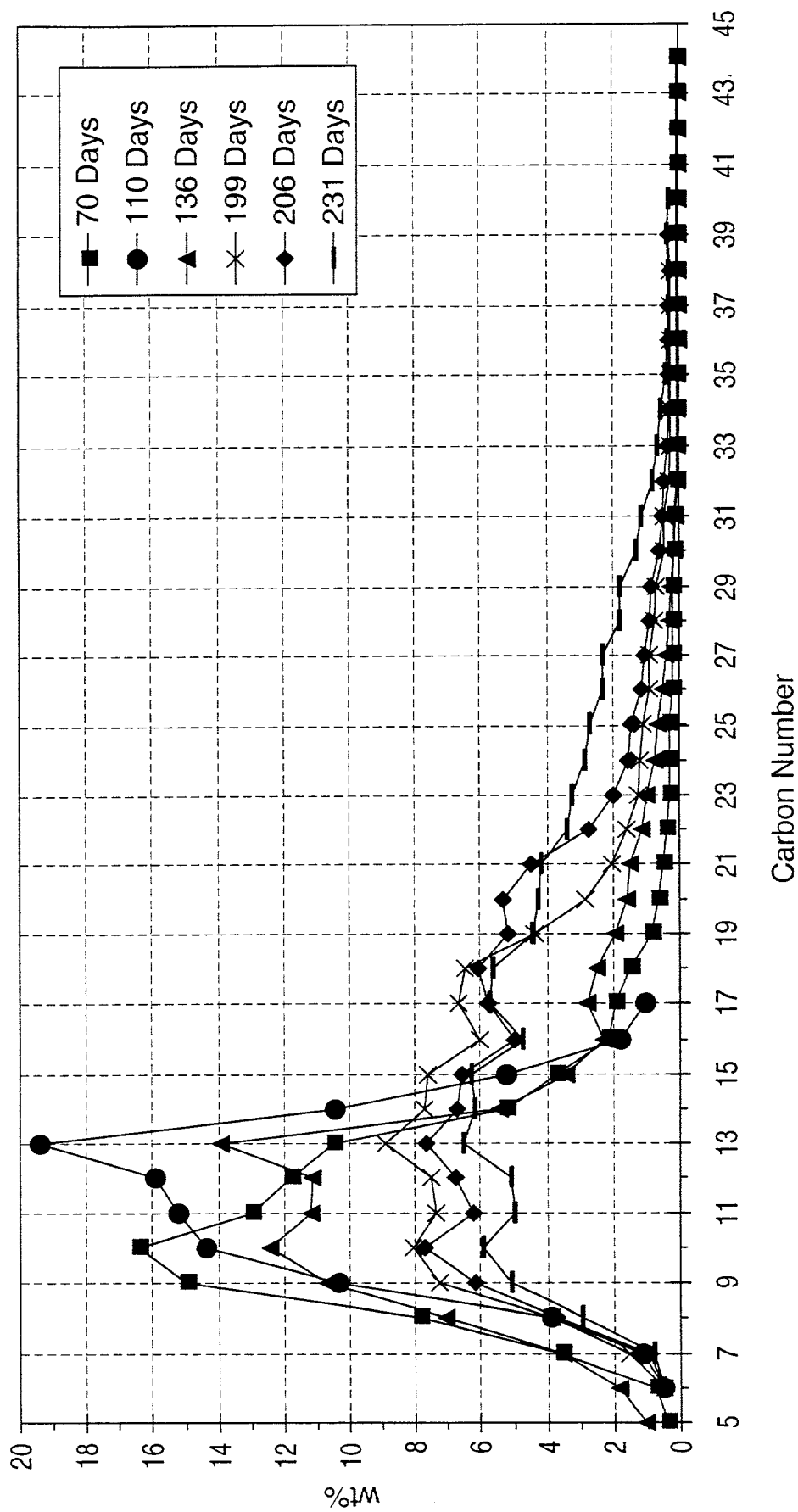


FIG. 111

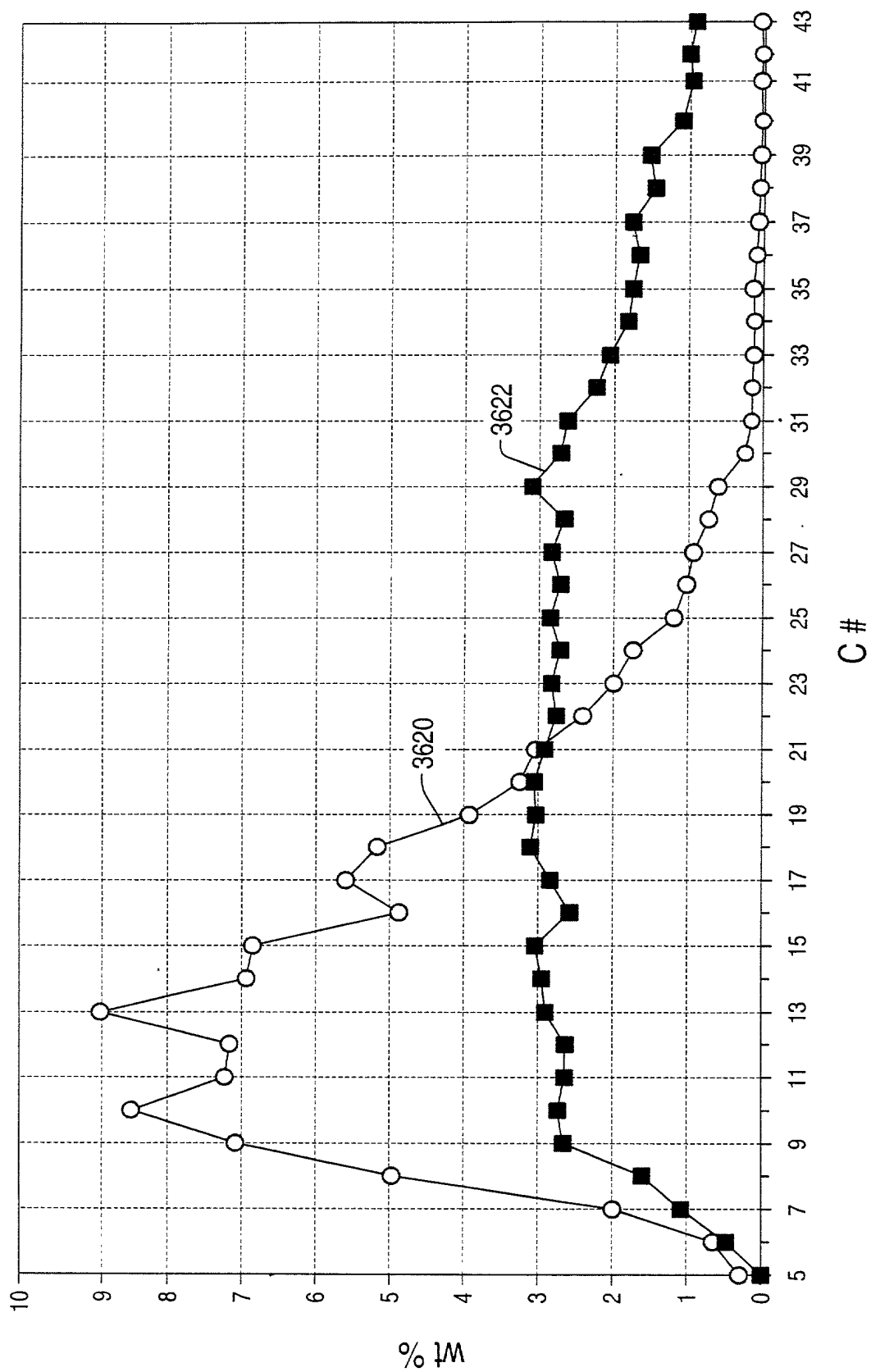


FIG. 112

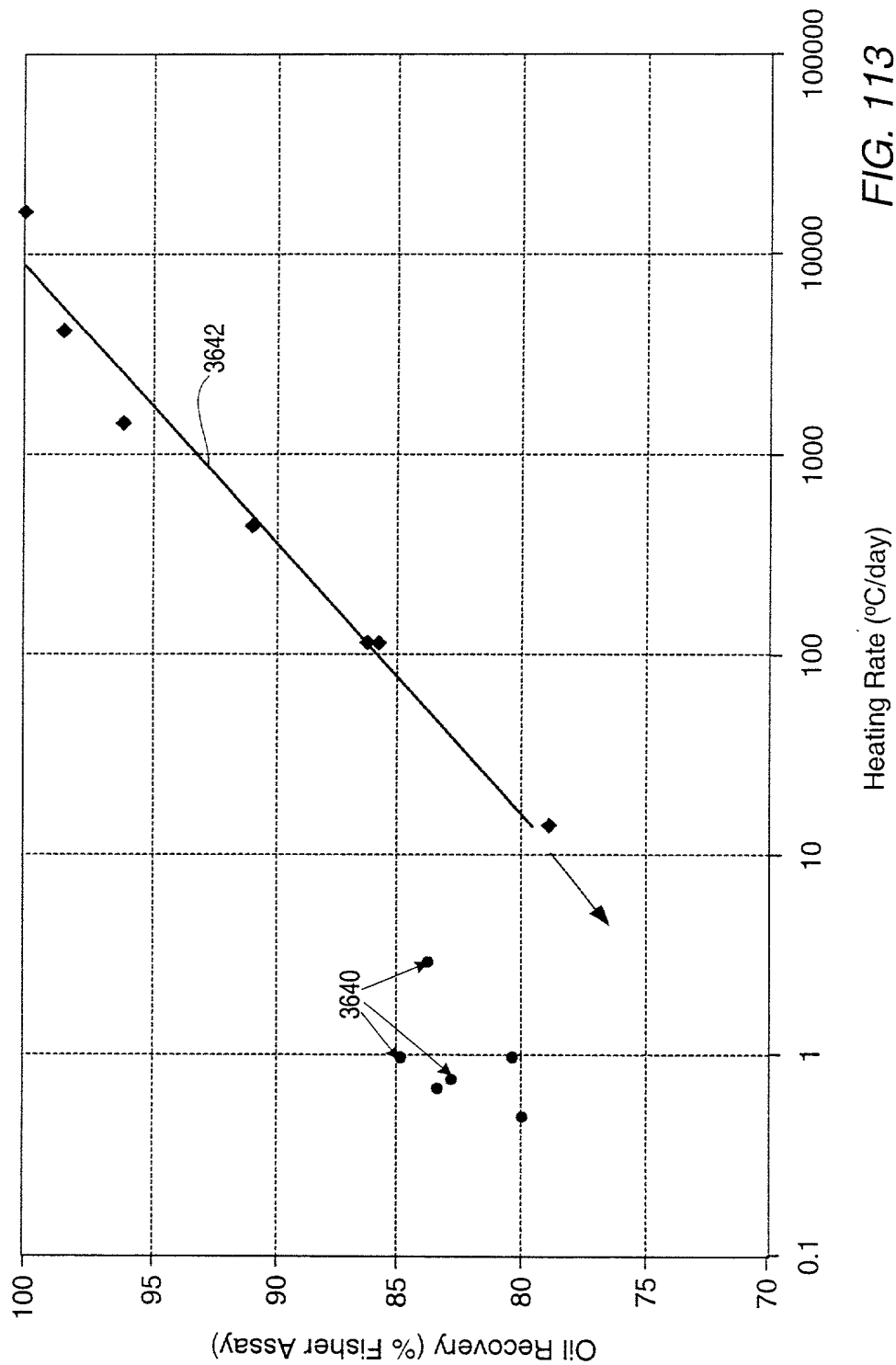


FIG. 113

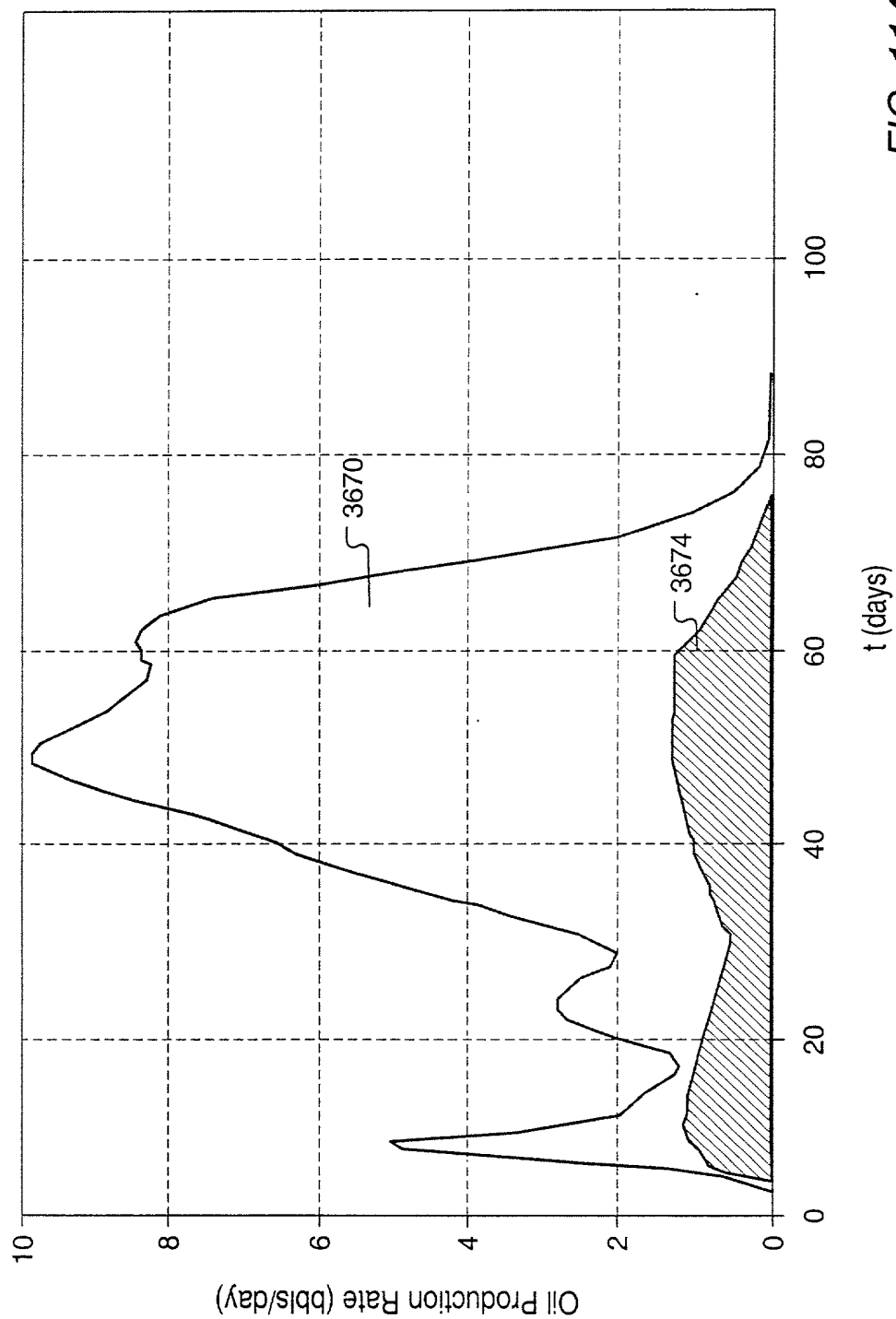


FIG. 114

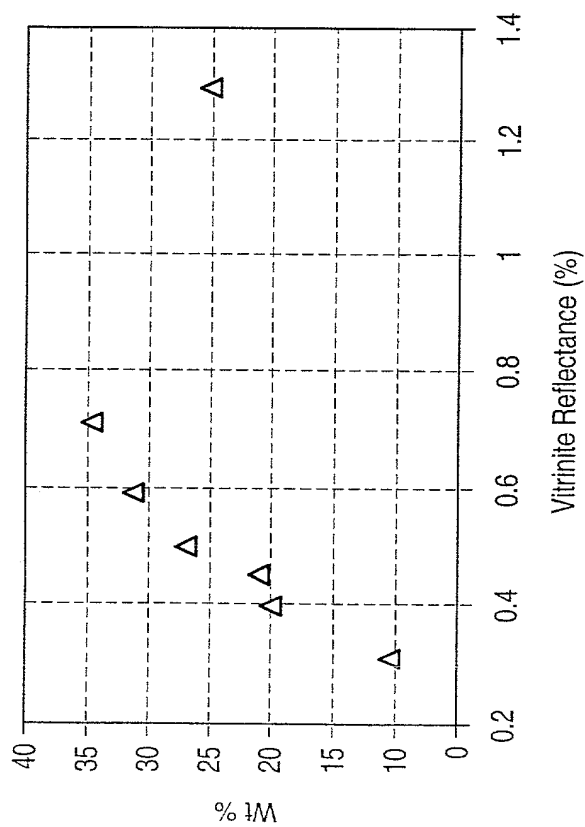


FIG. 115

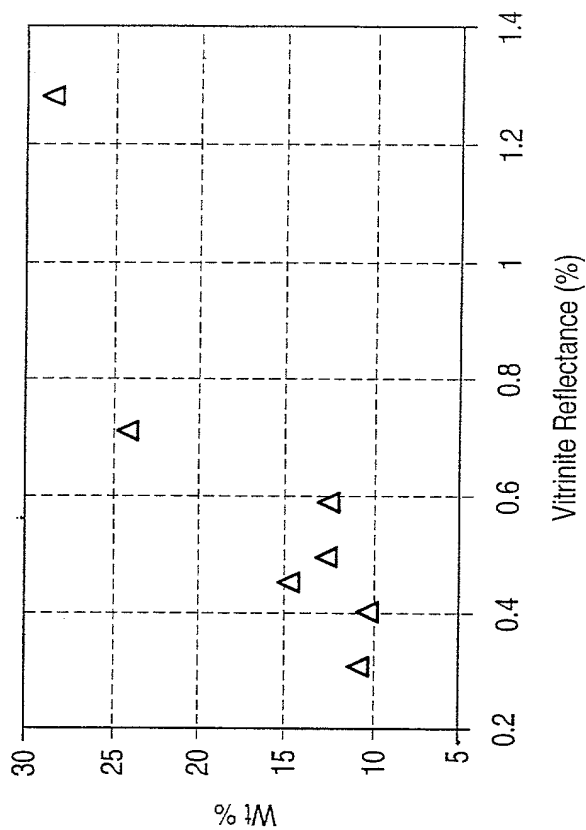


FIG. 116

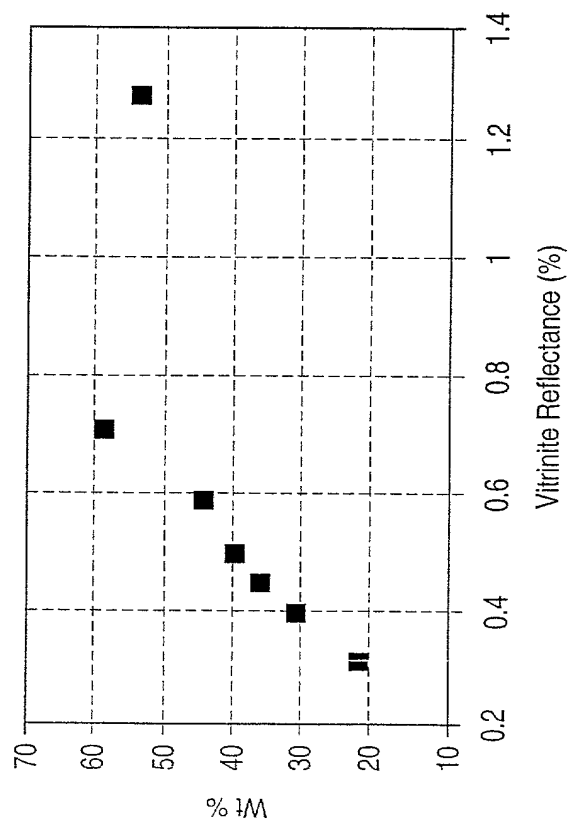


FIG. 117

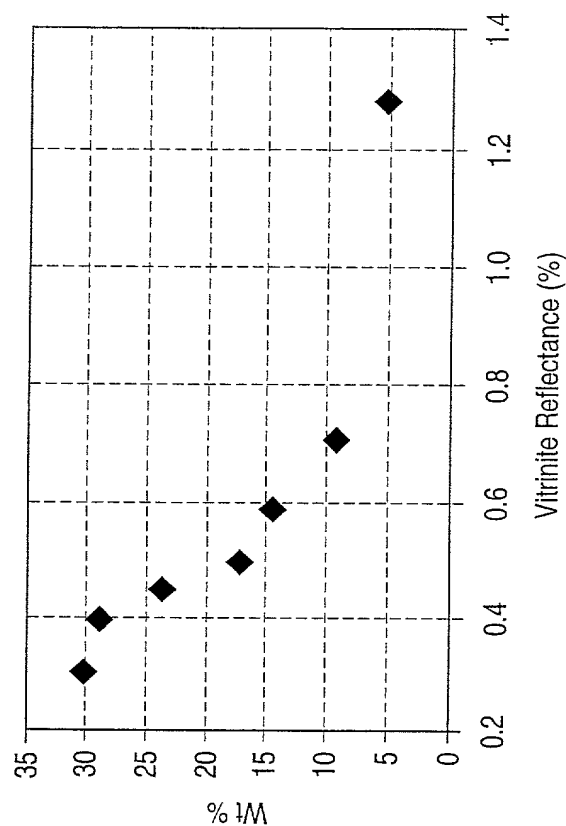


FIG. 118



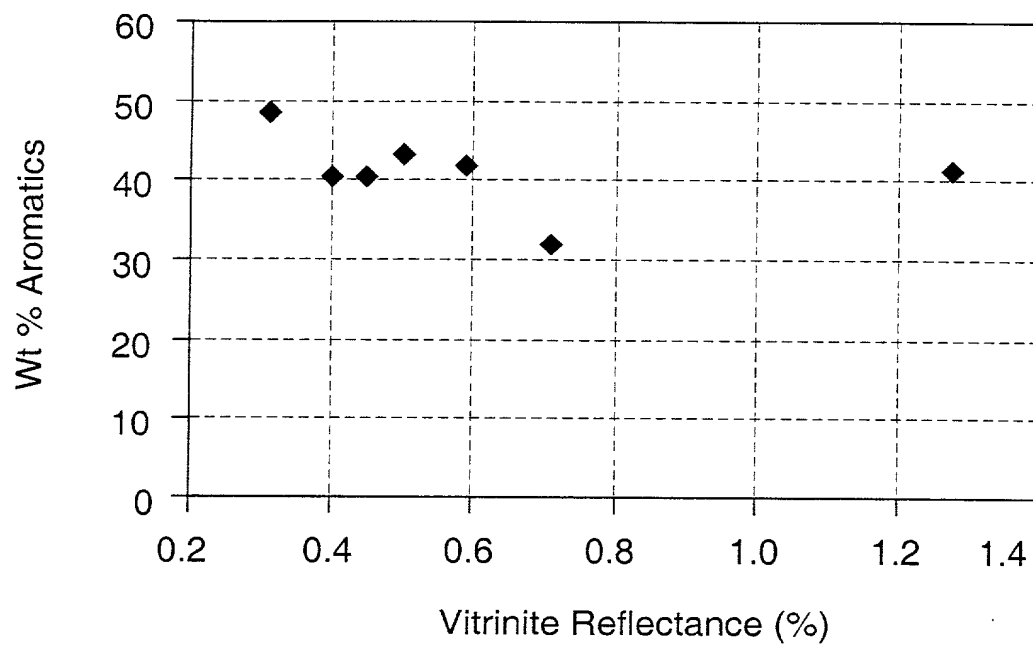


FIG. 119

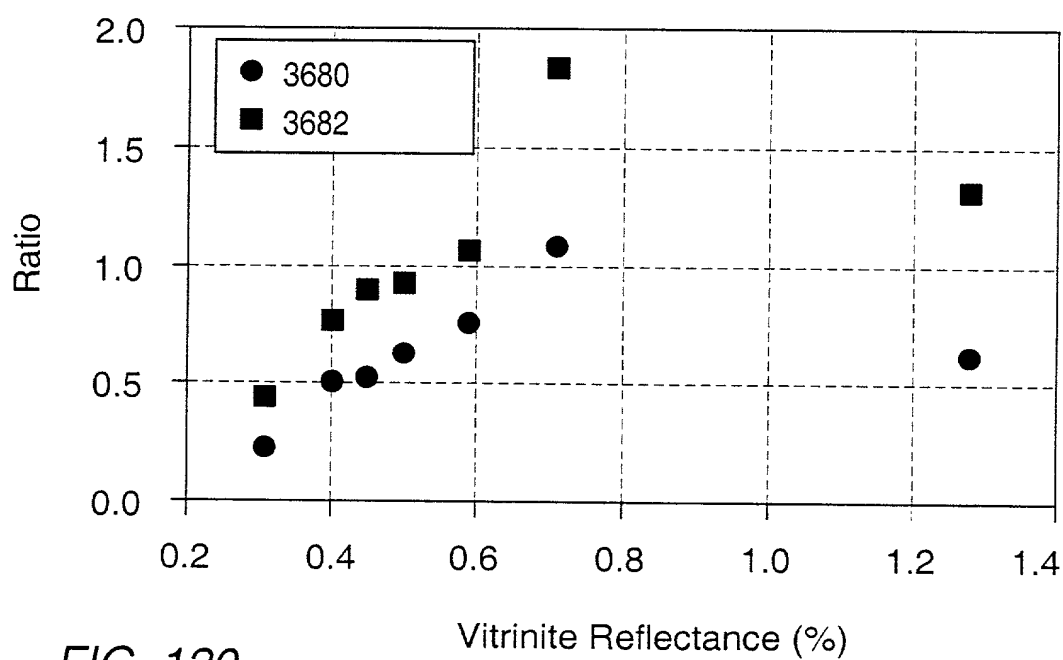


FIG. 120

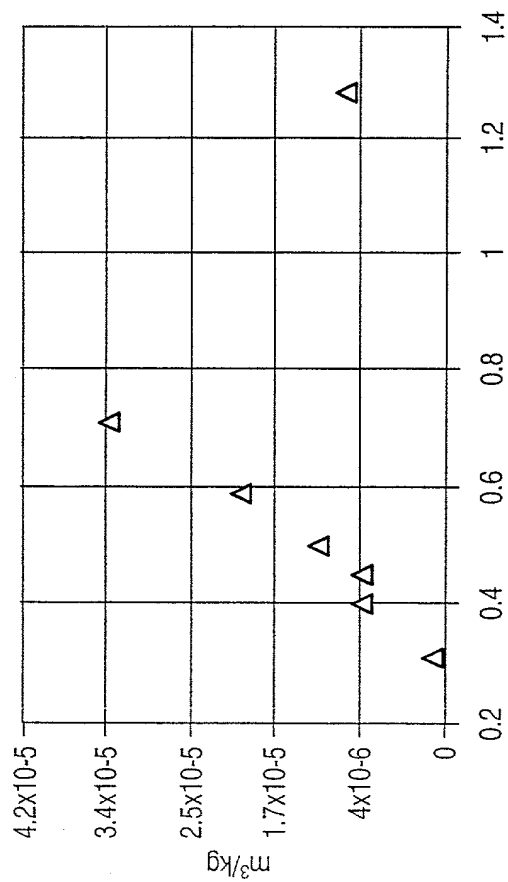


FIG. 121

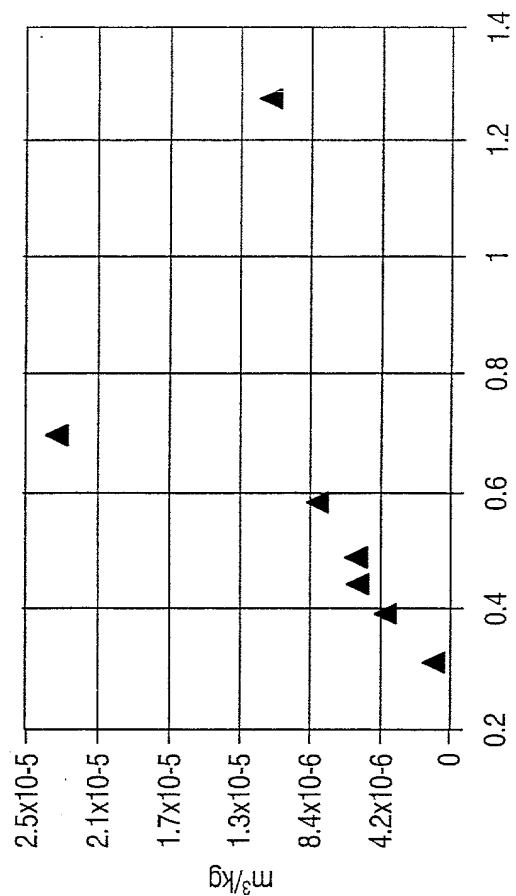


FIG. 122

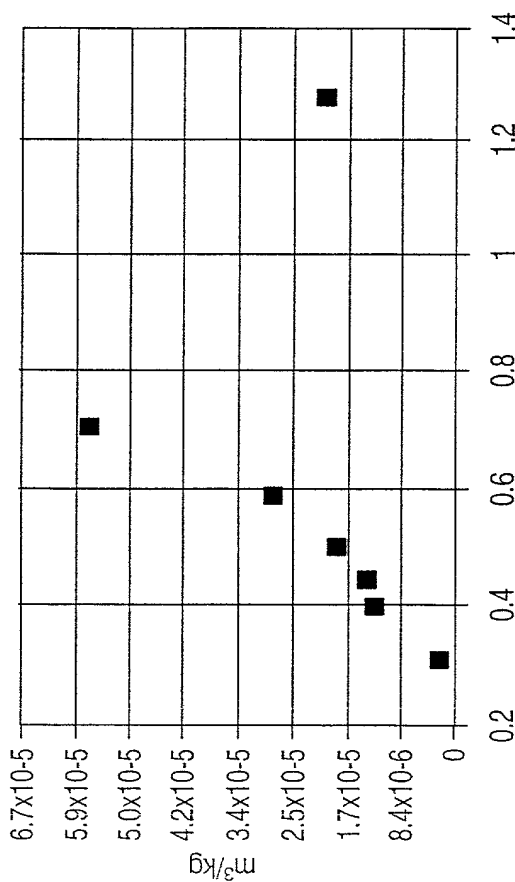


FIG. 123

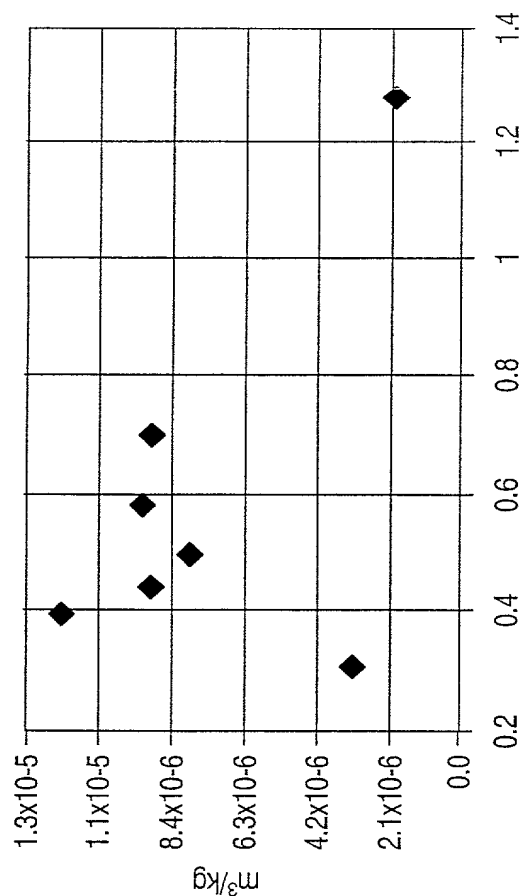


FIG. 124

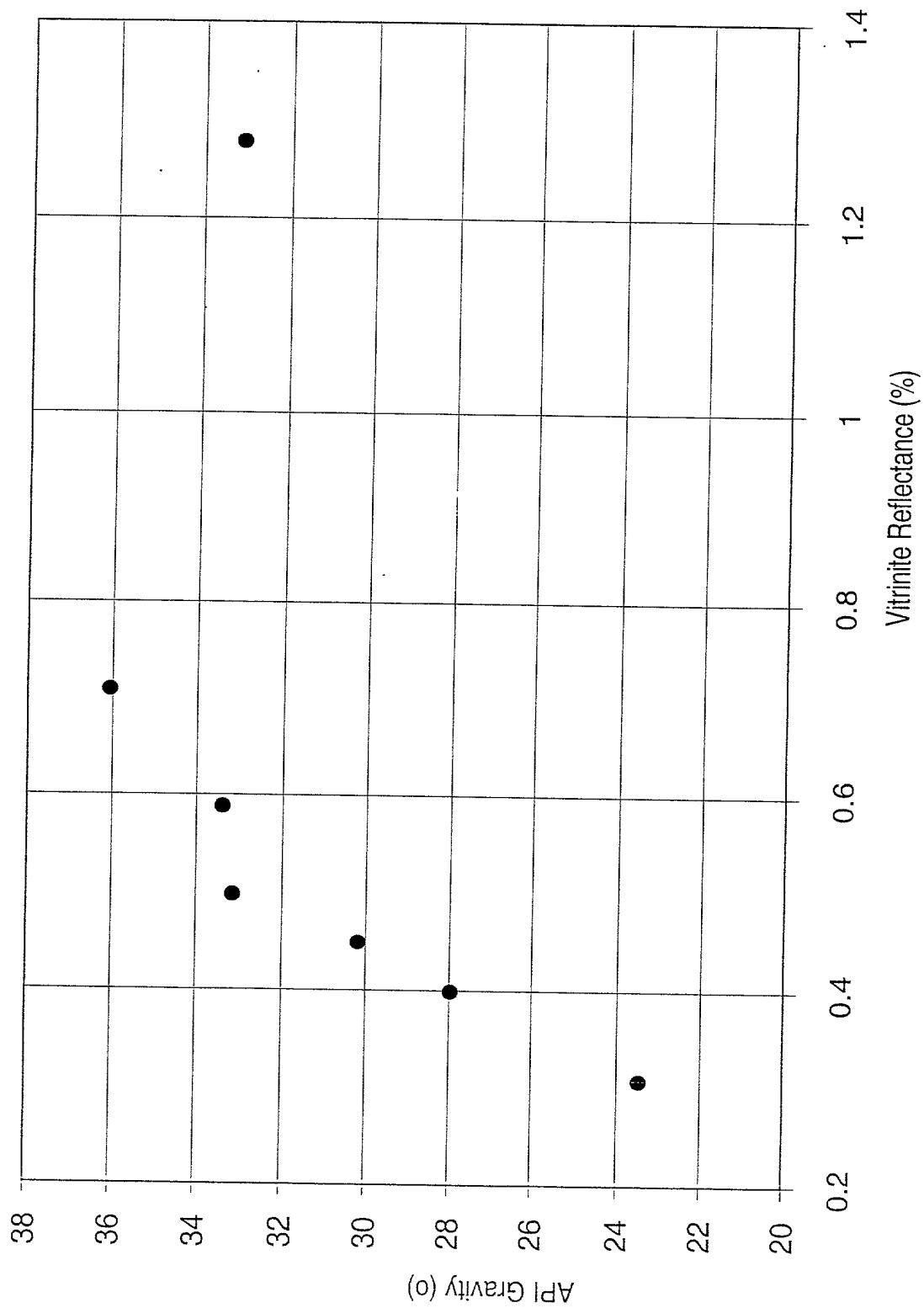
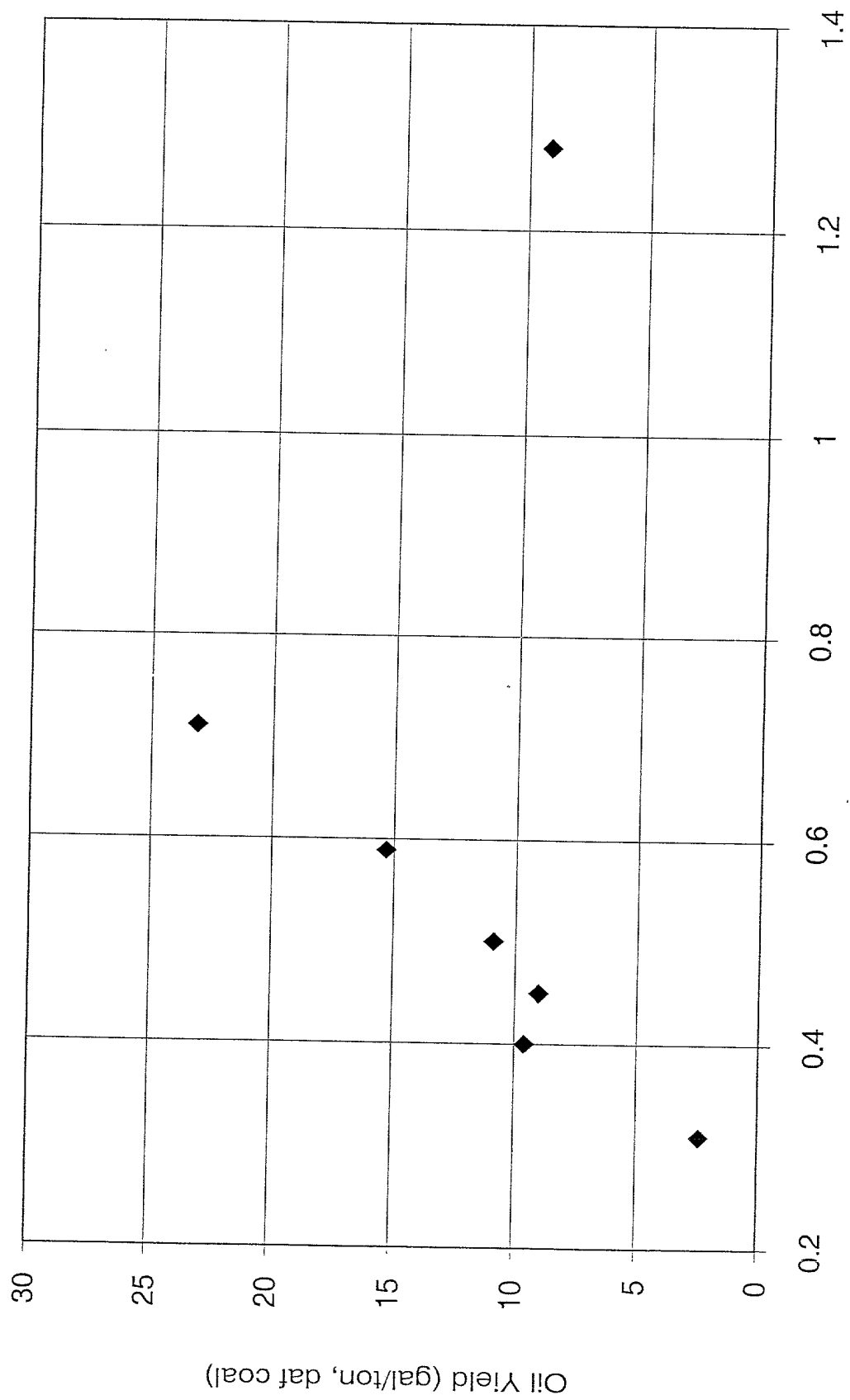
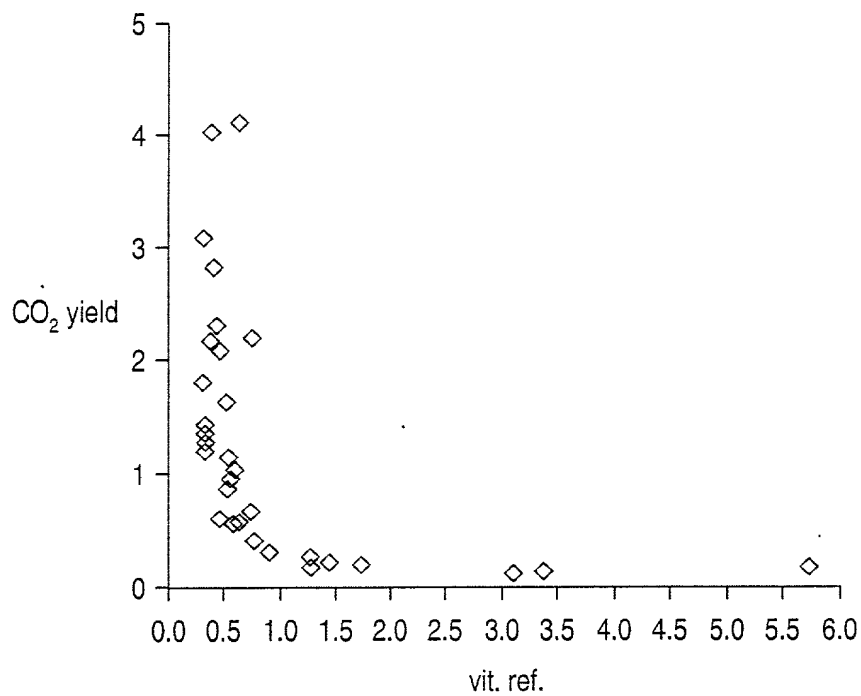


FIG. 125



Vitrinite Reflectance (%)

FIG. 126



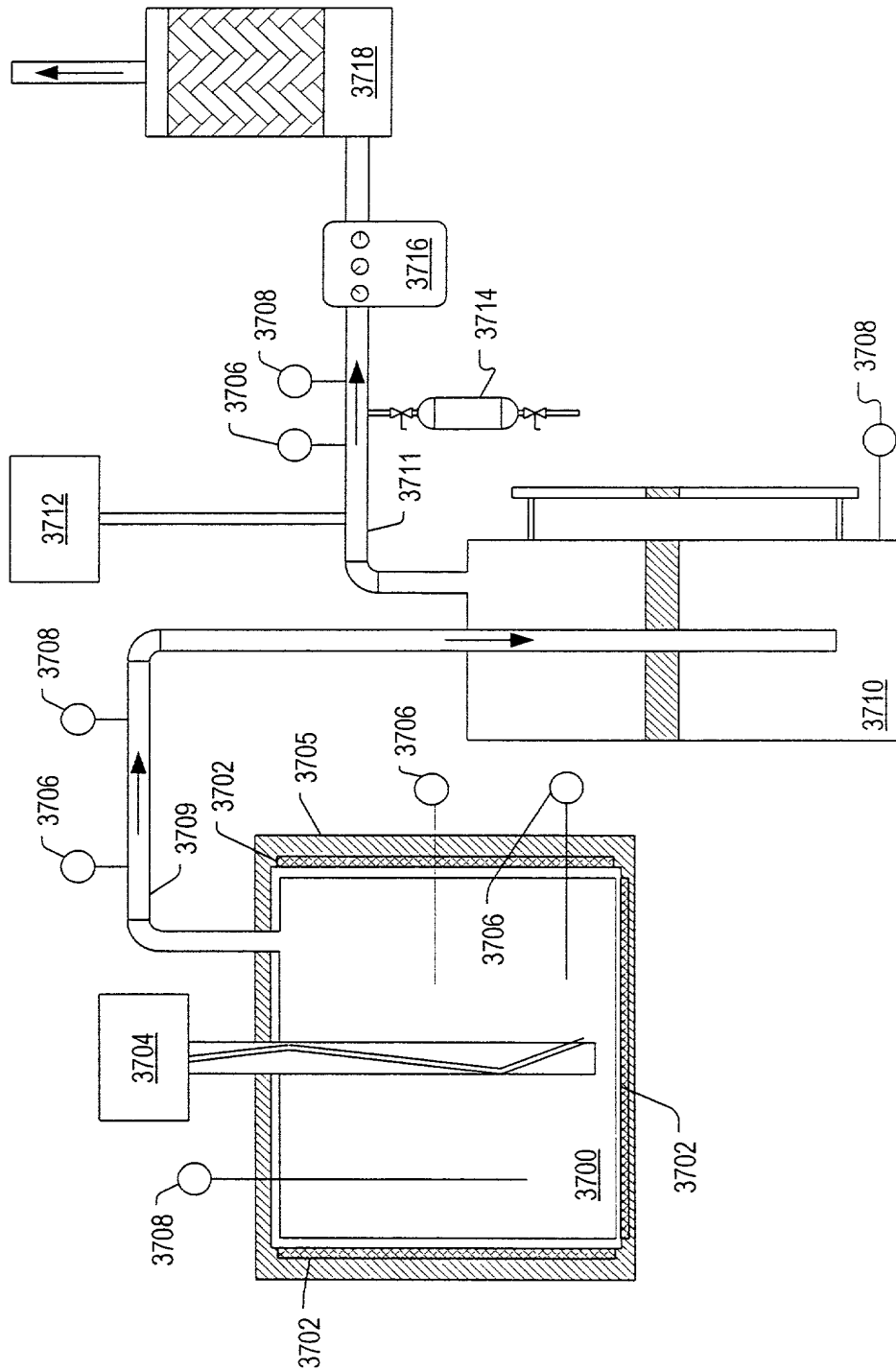
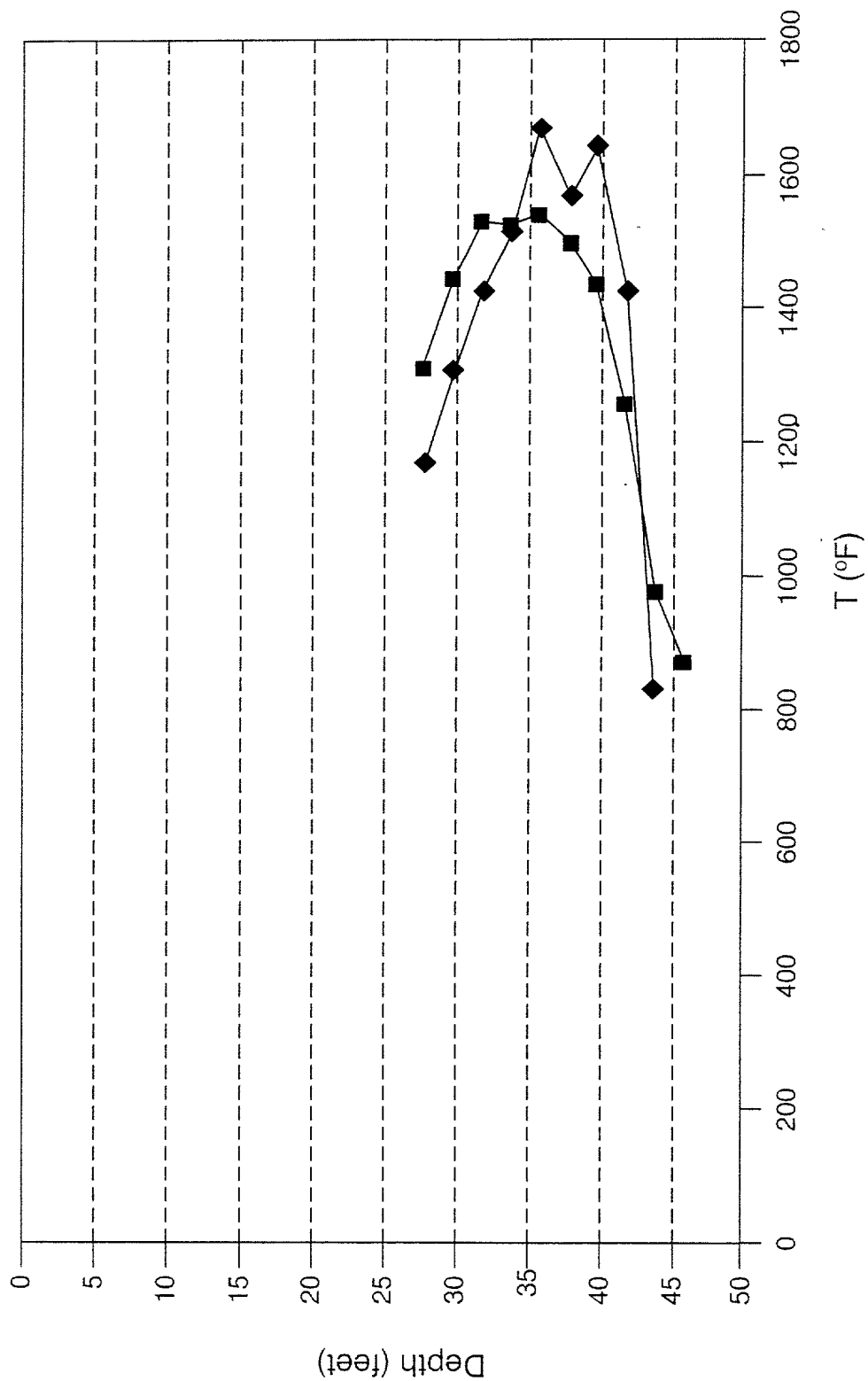


FIG. 129



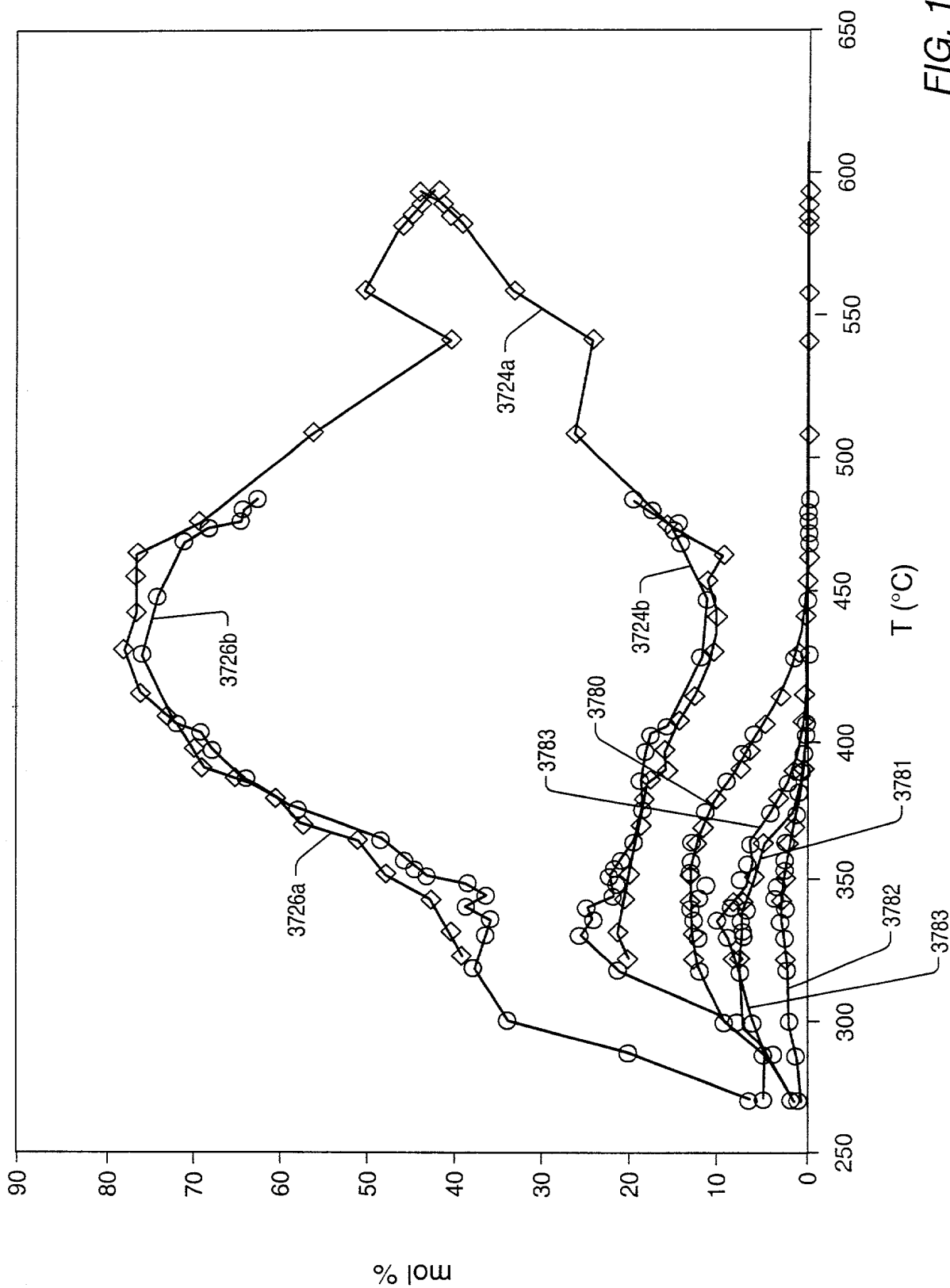


FIG. 131



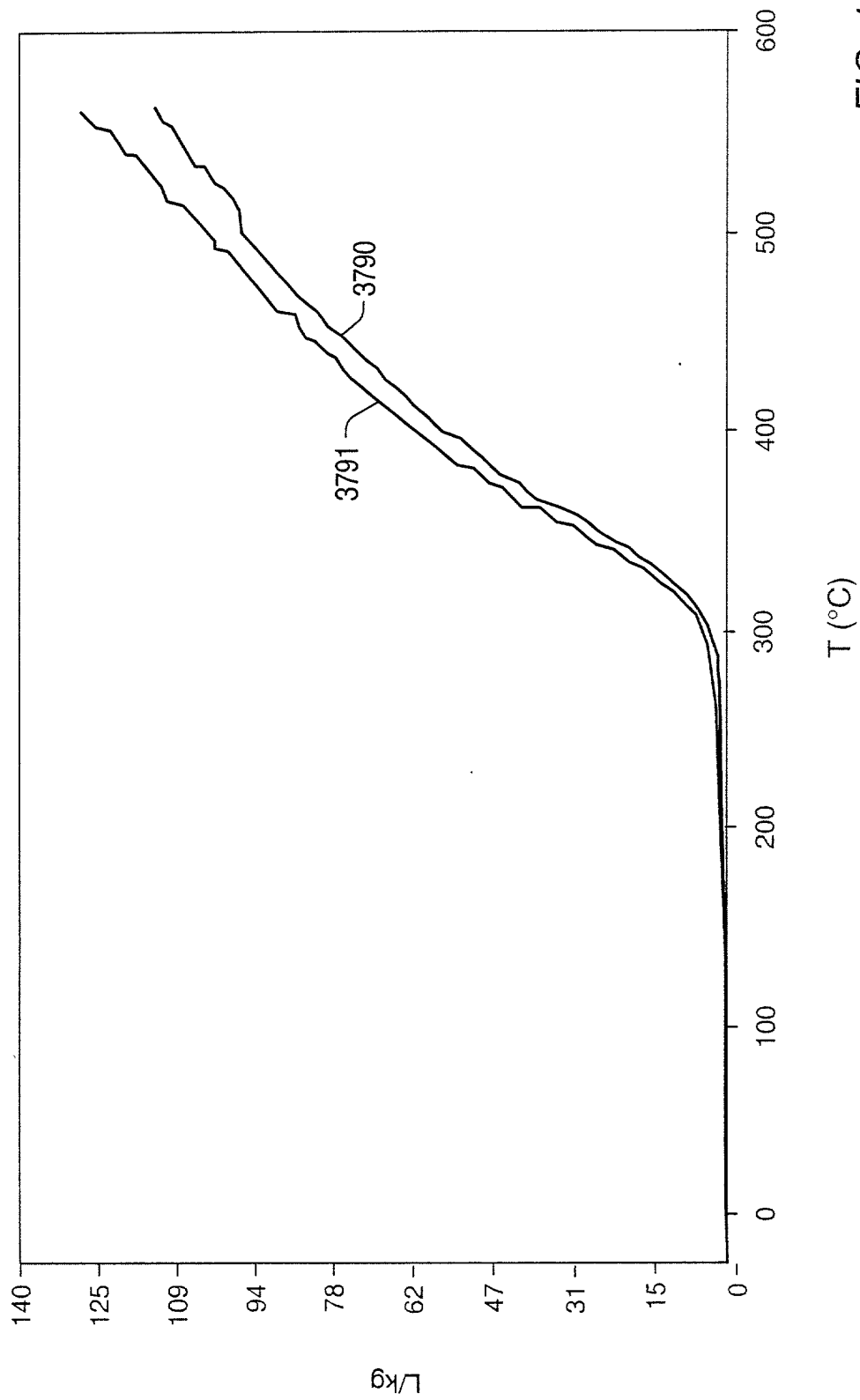


FIG. 132

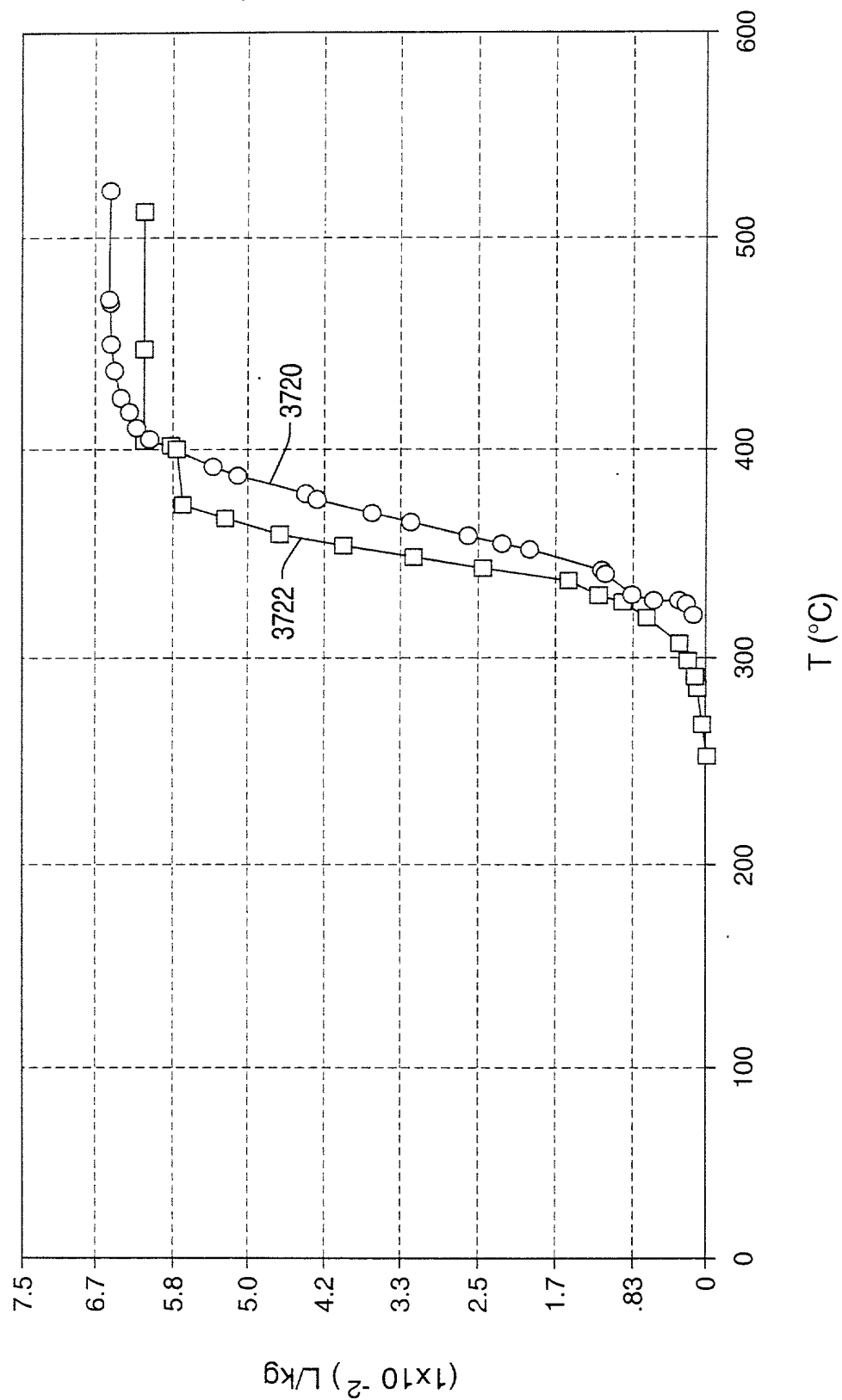


FIG. 133

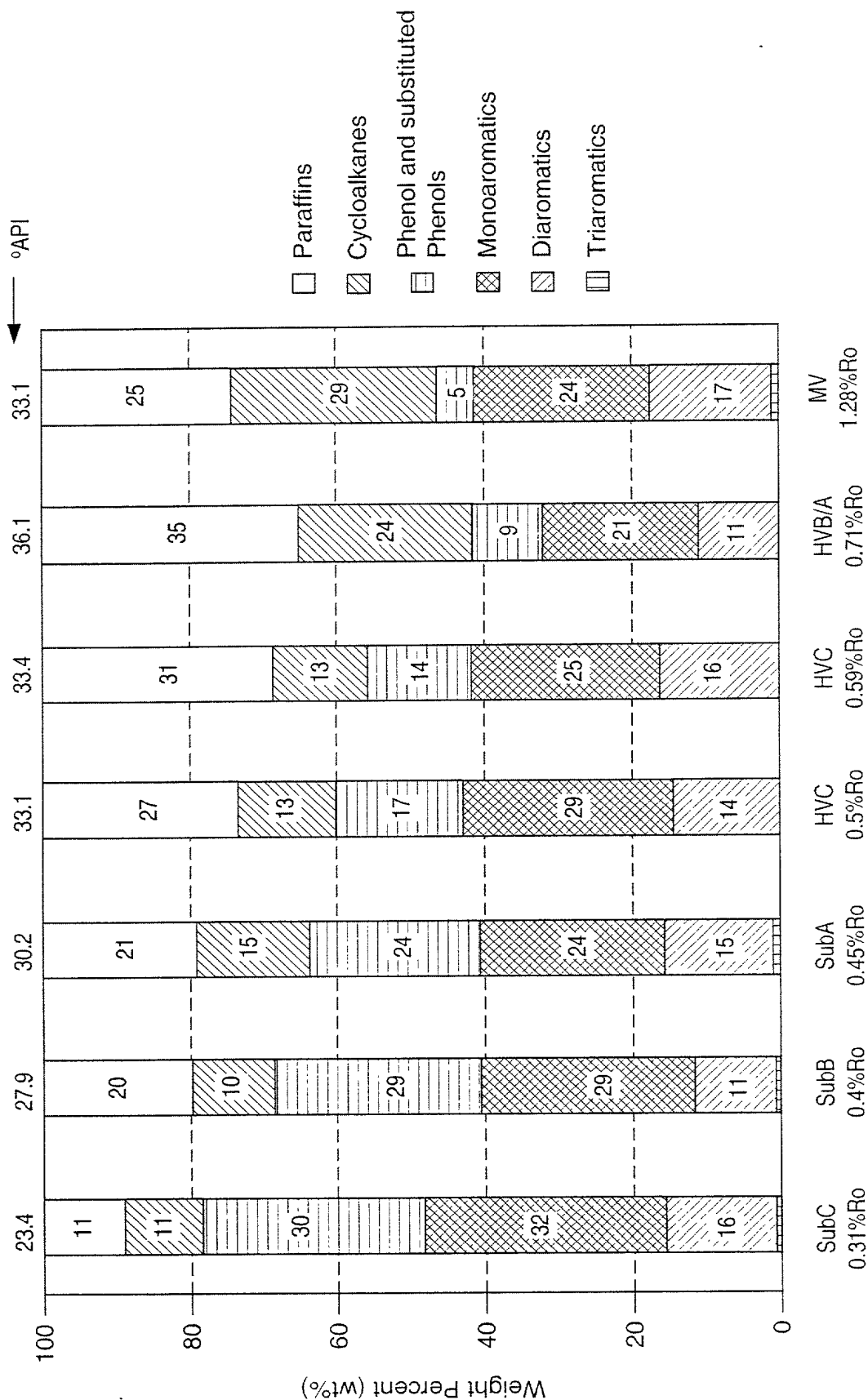
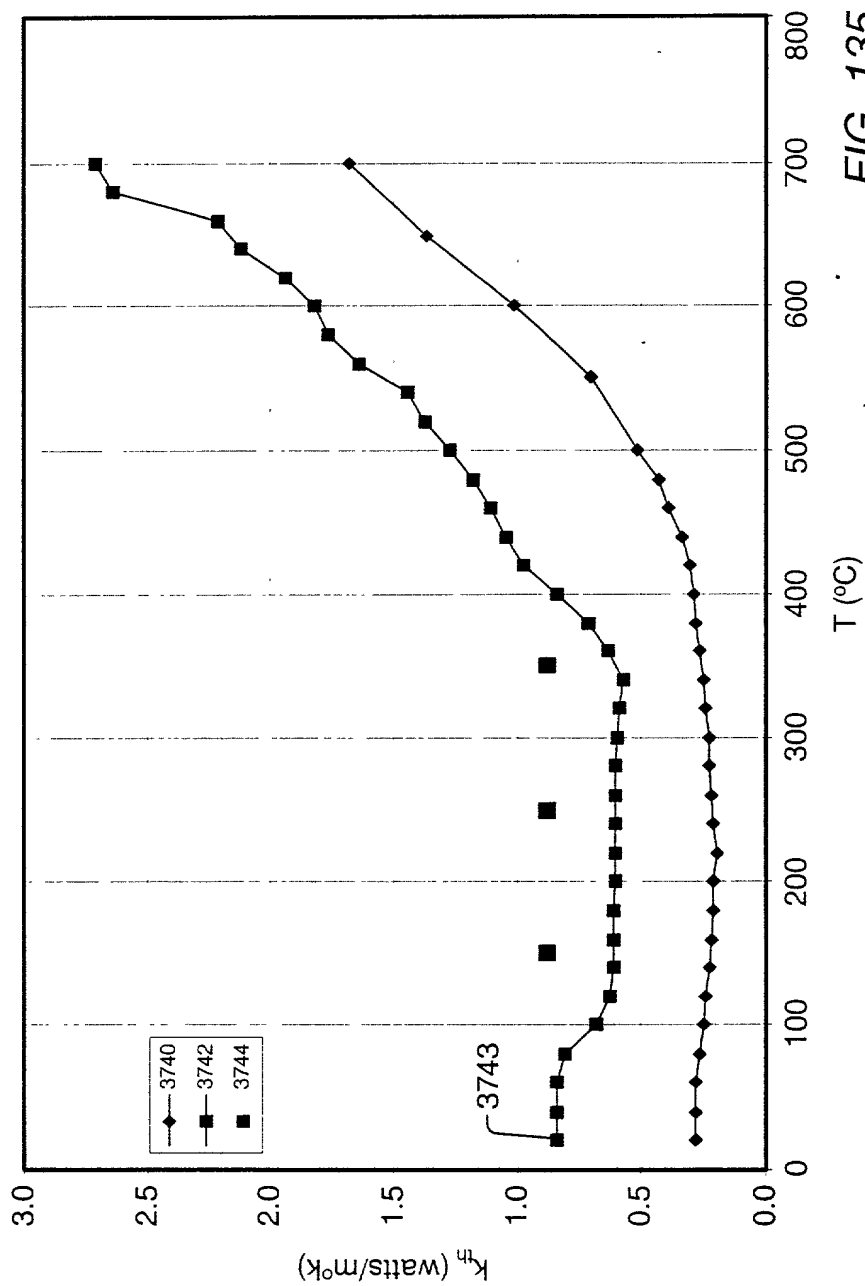


FIG. 134



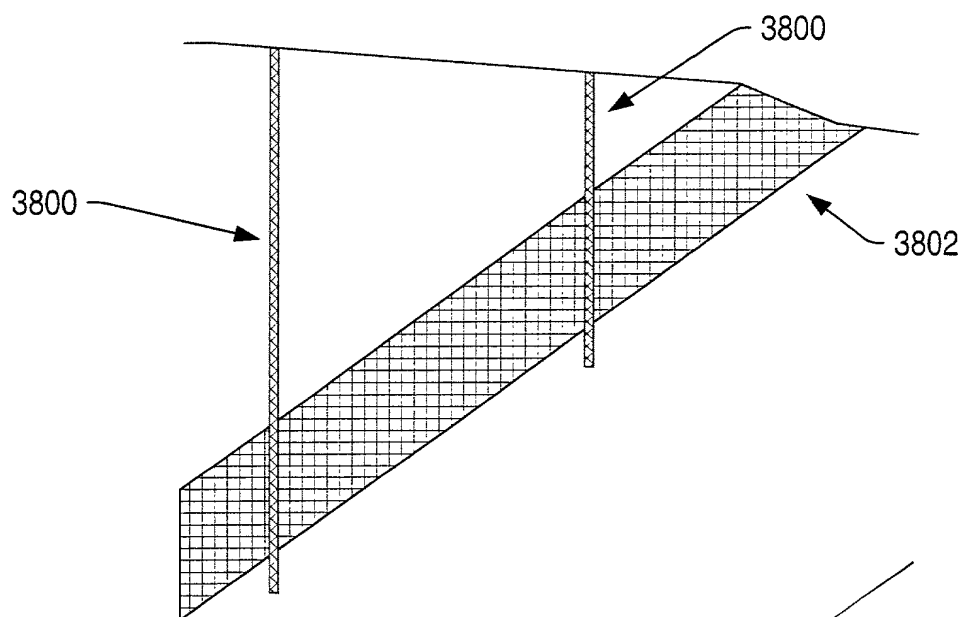


FIG. 136

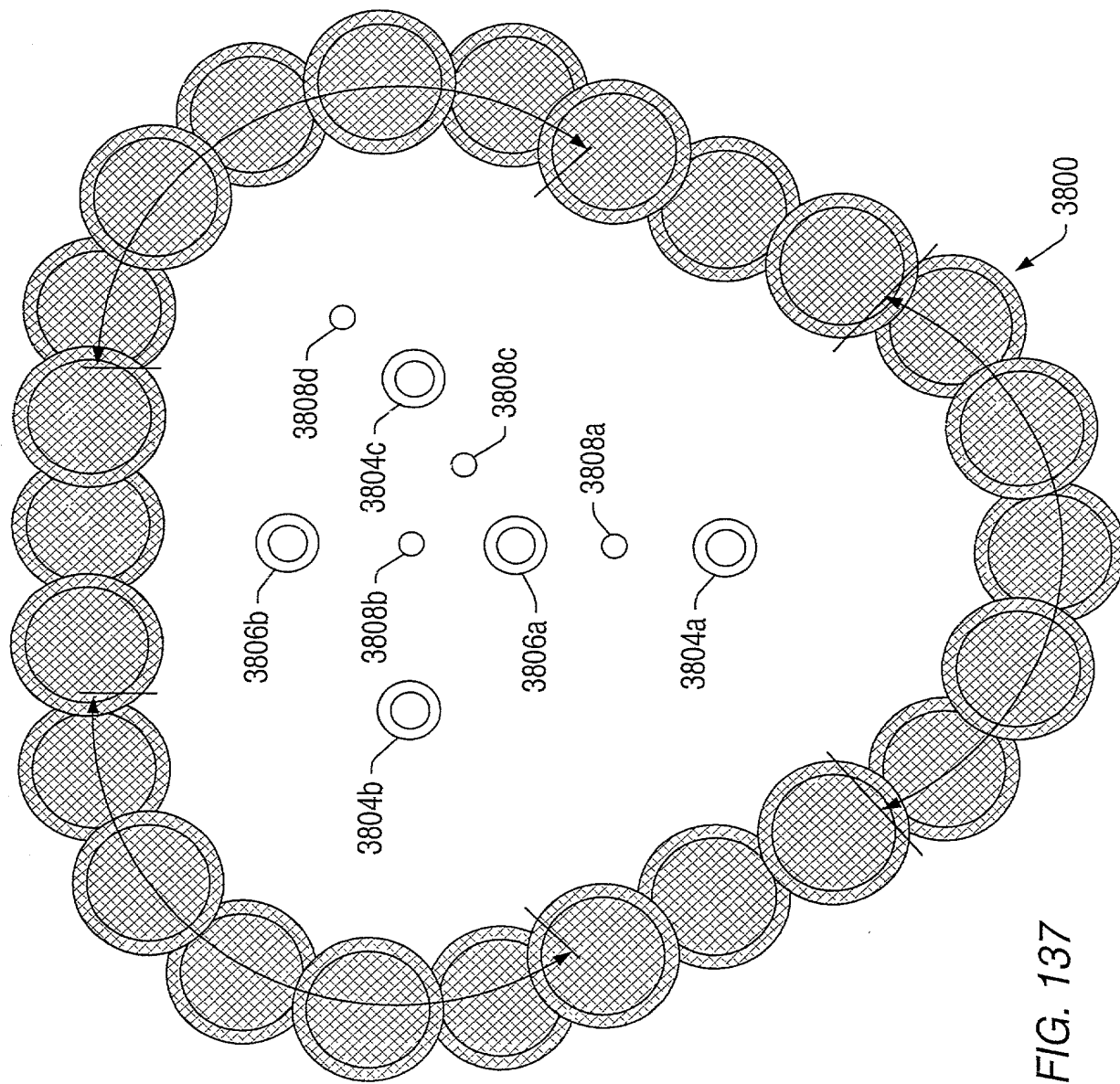
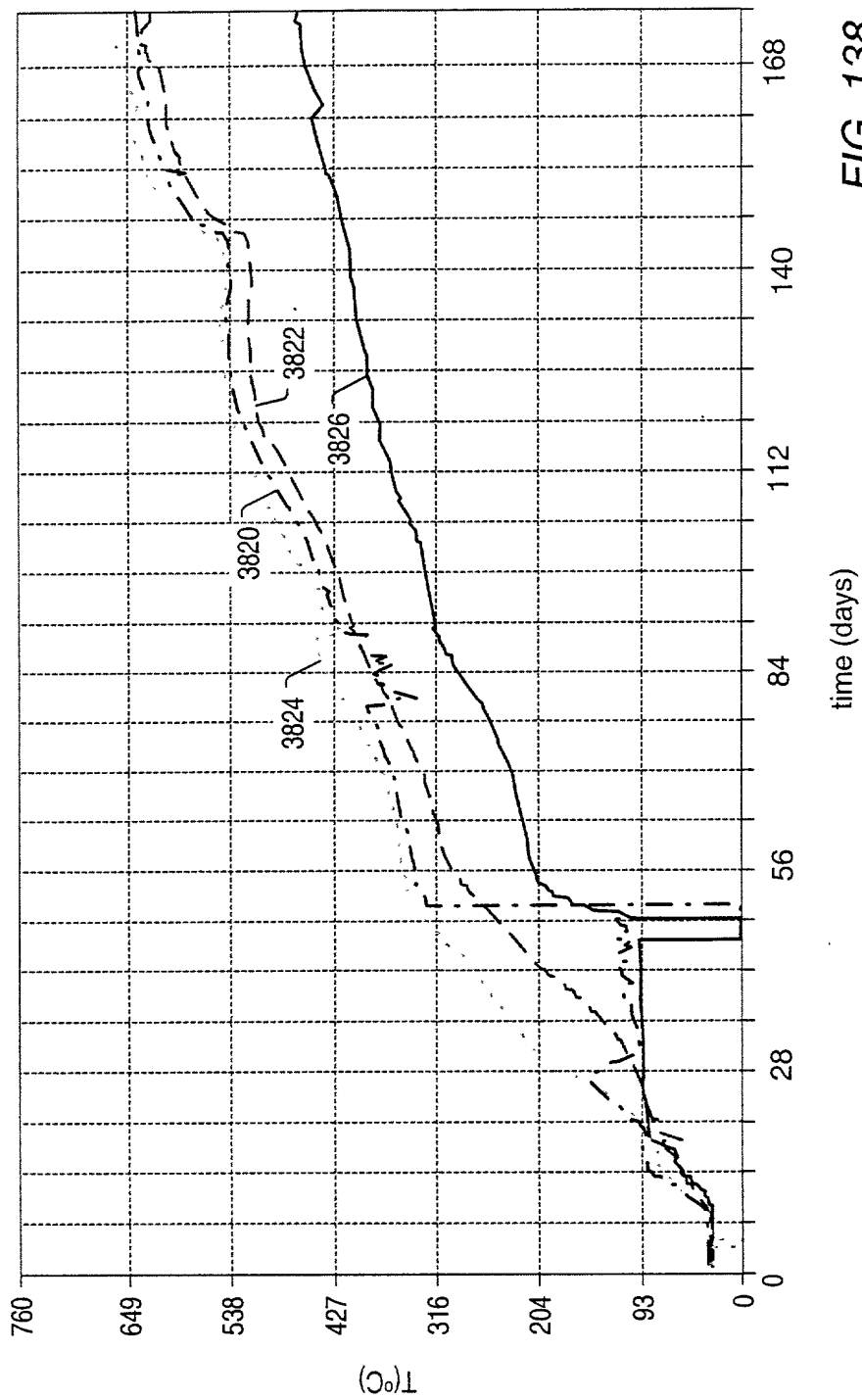


FIG. 137



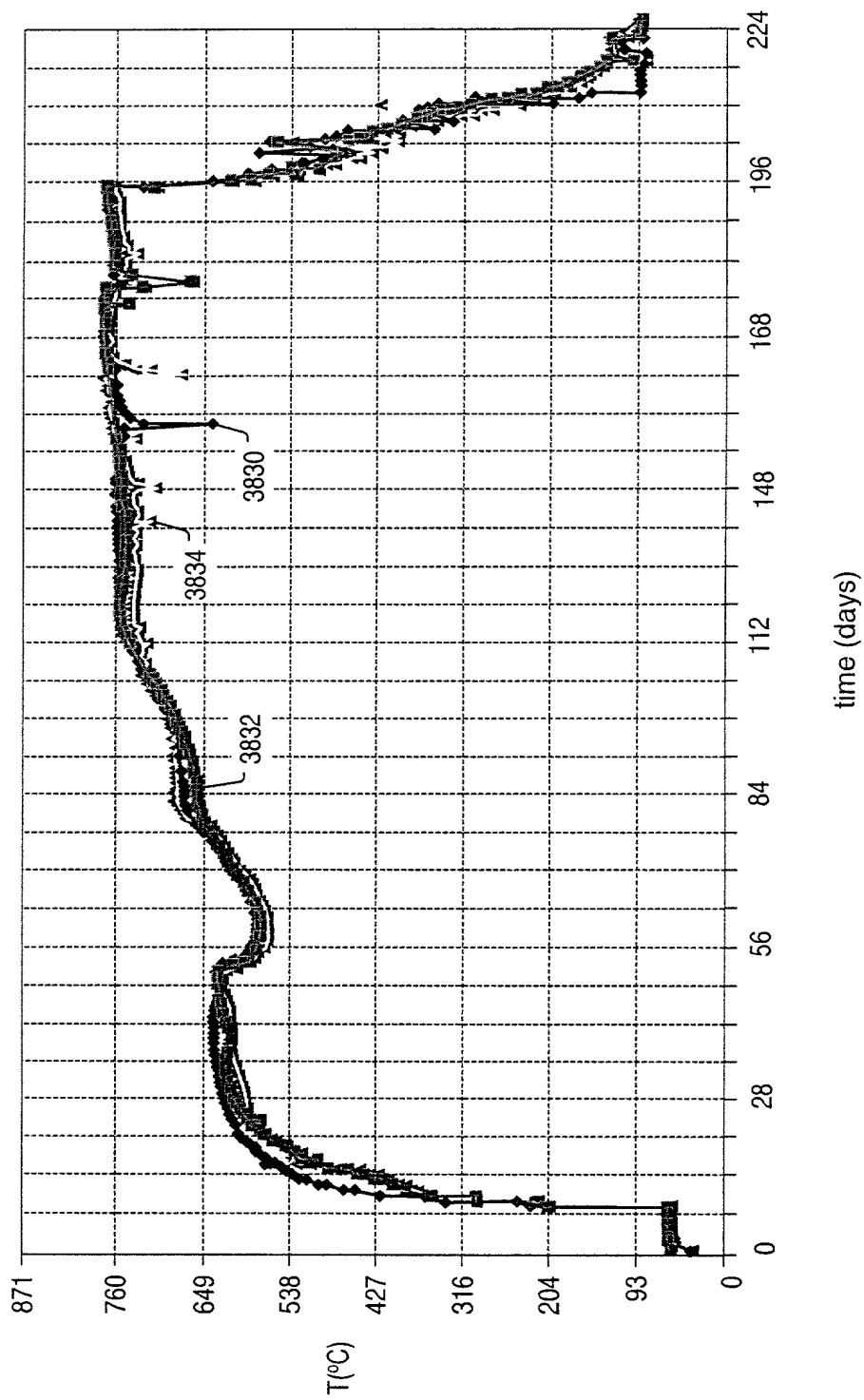


FIG. 139



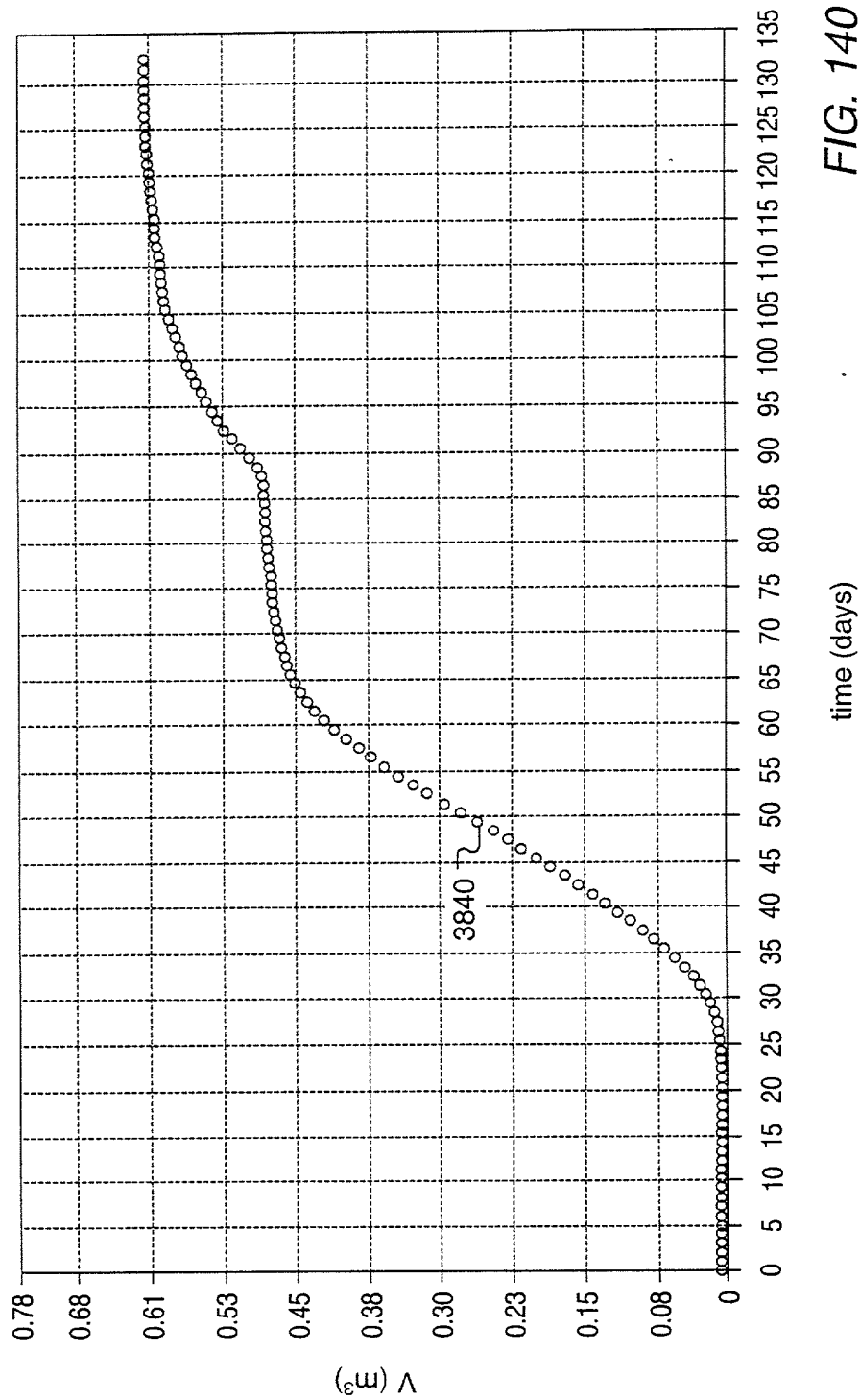


FIG. 140

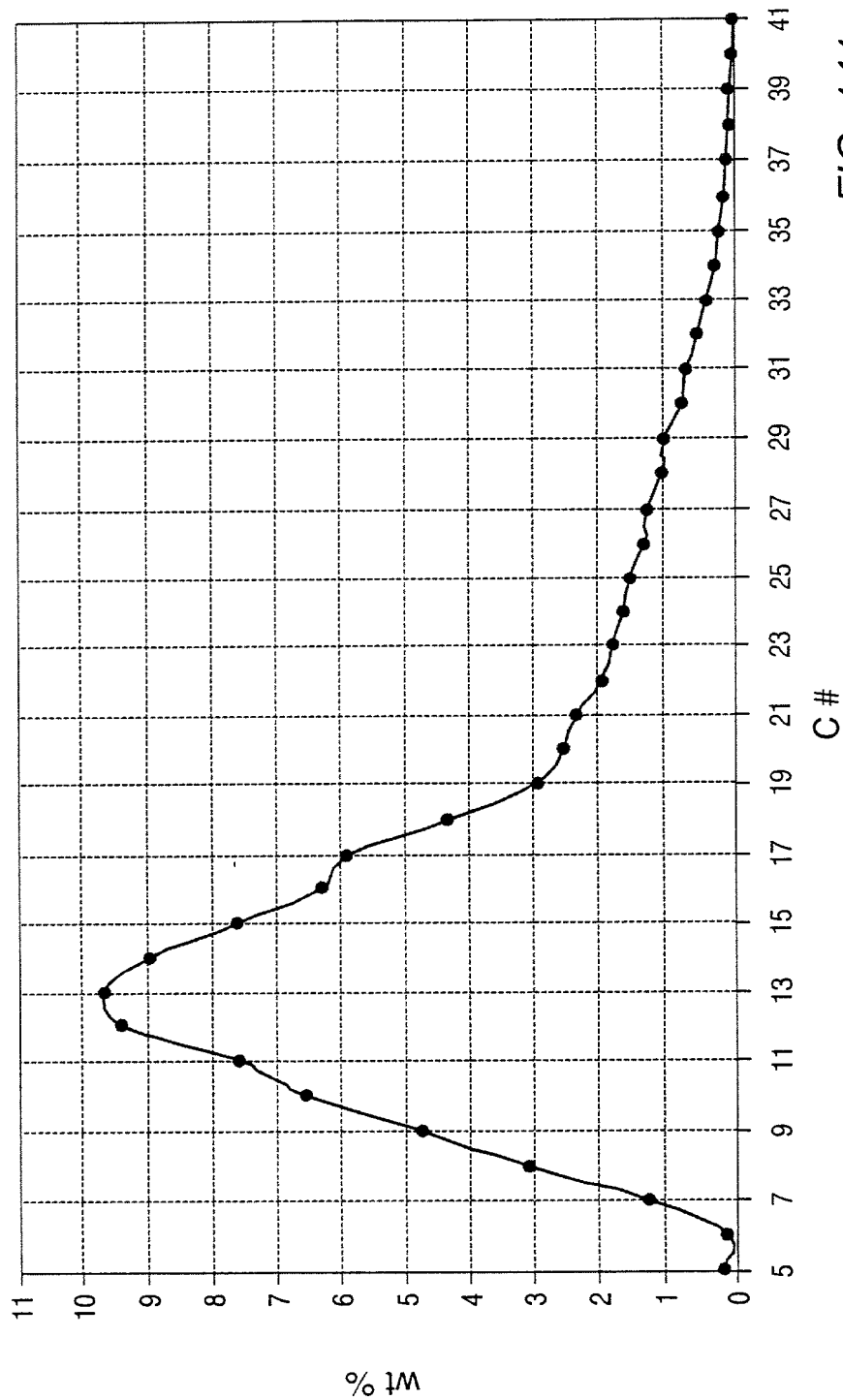


FIG. 141

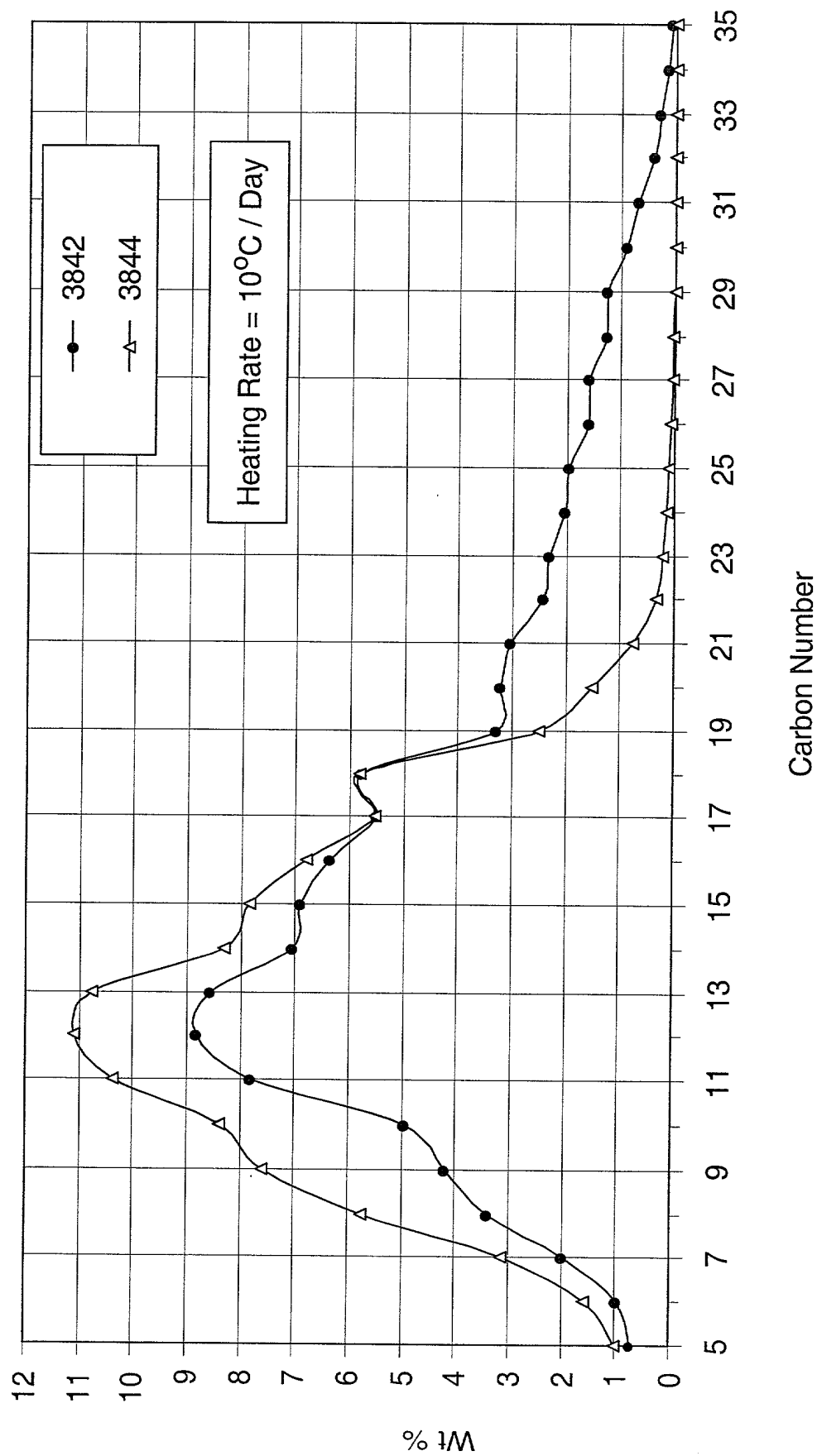


FIG. 142

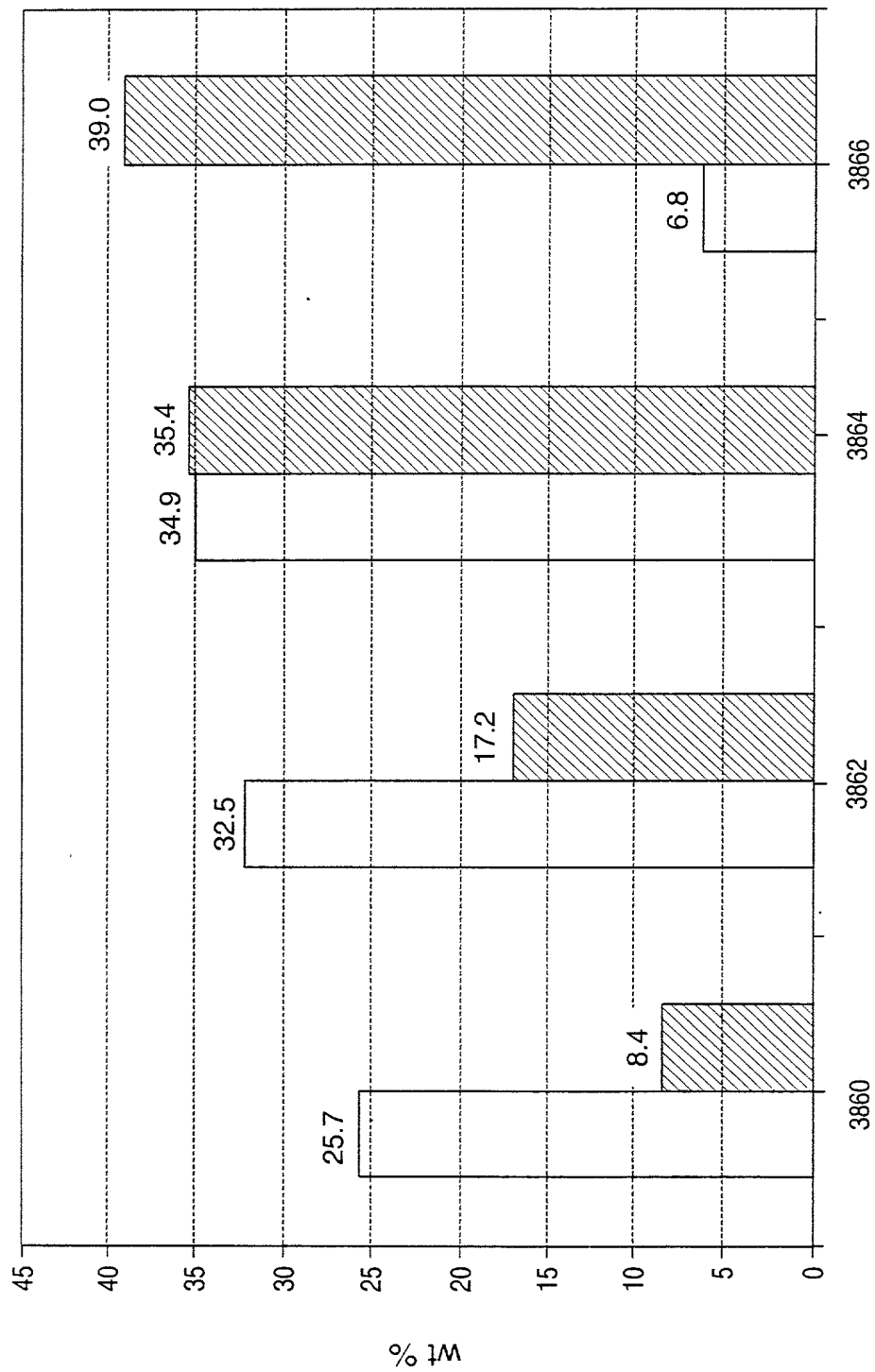
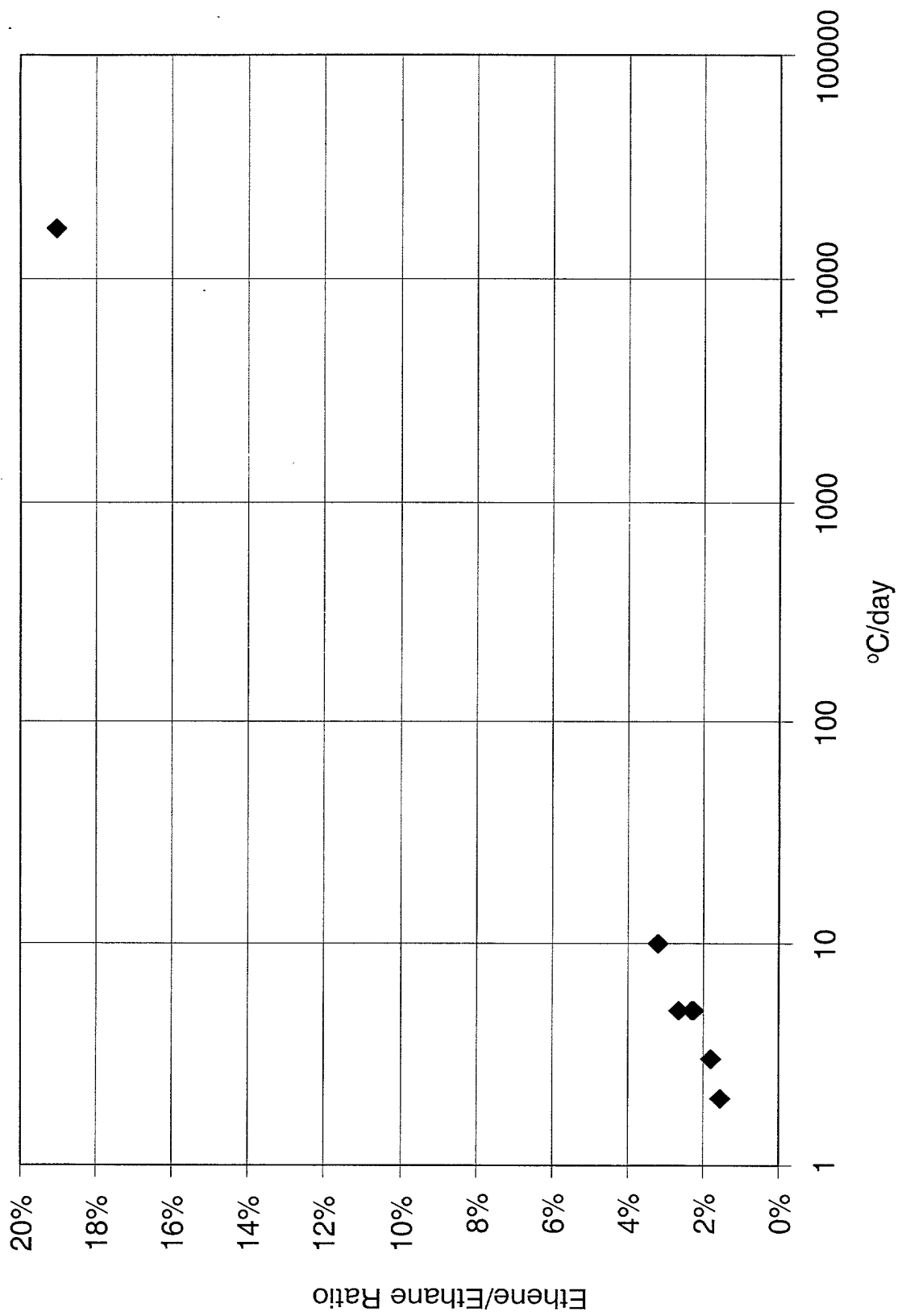


FIG. 143

T04240" 96274960



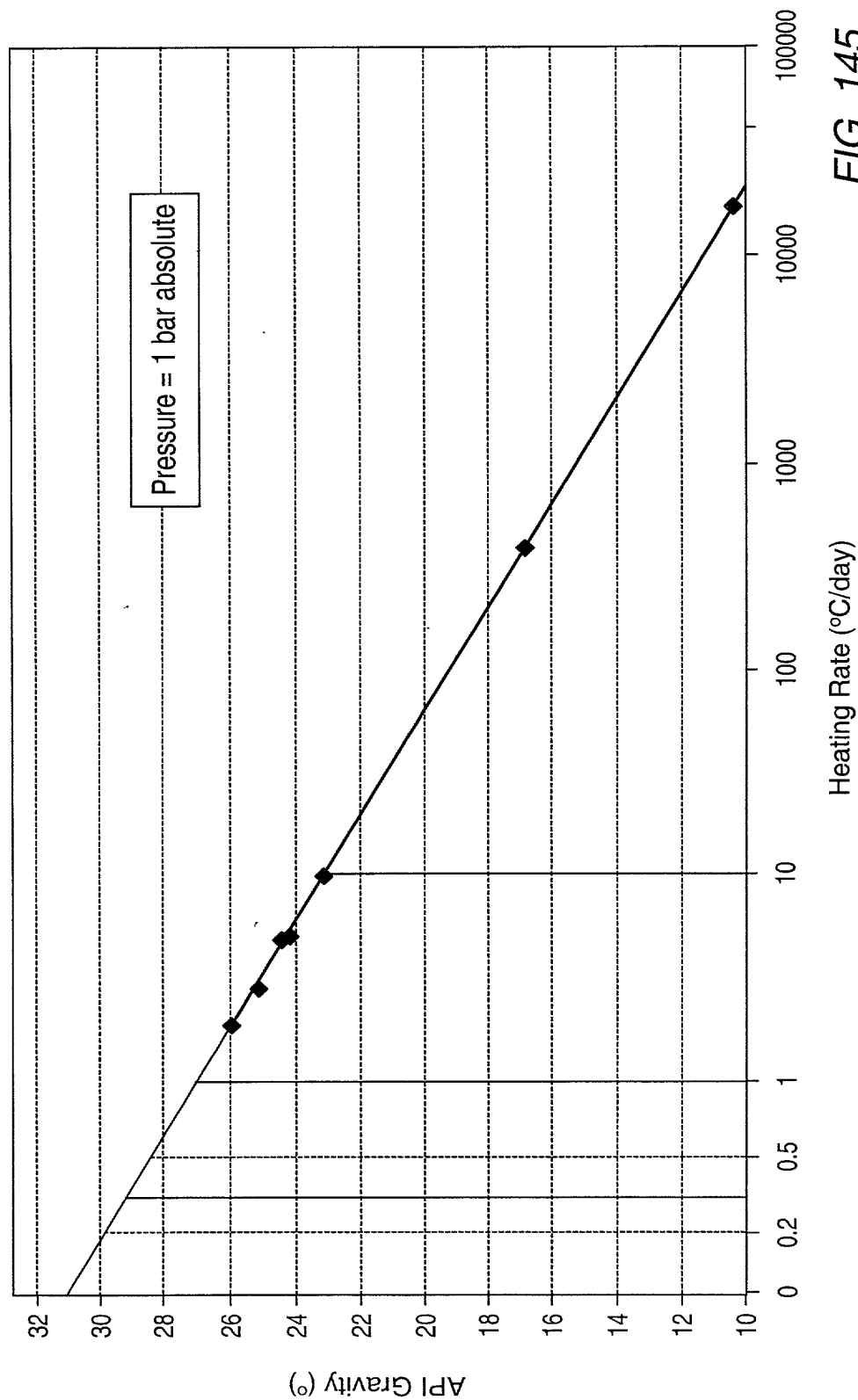


FIG. 145

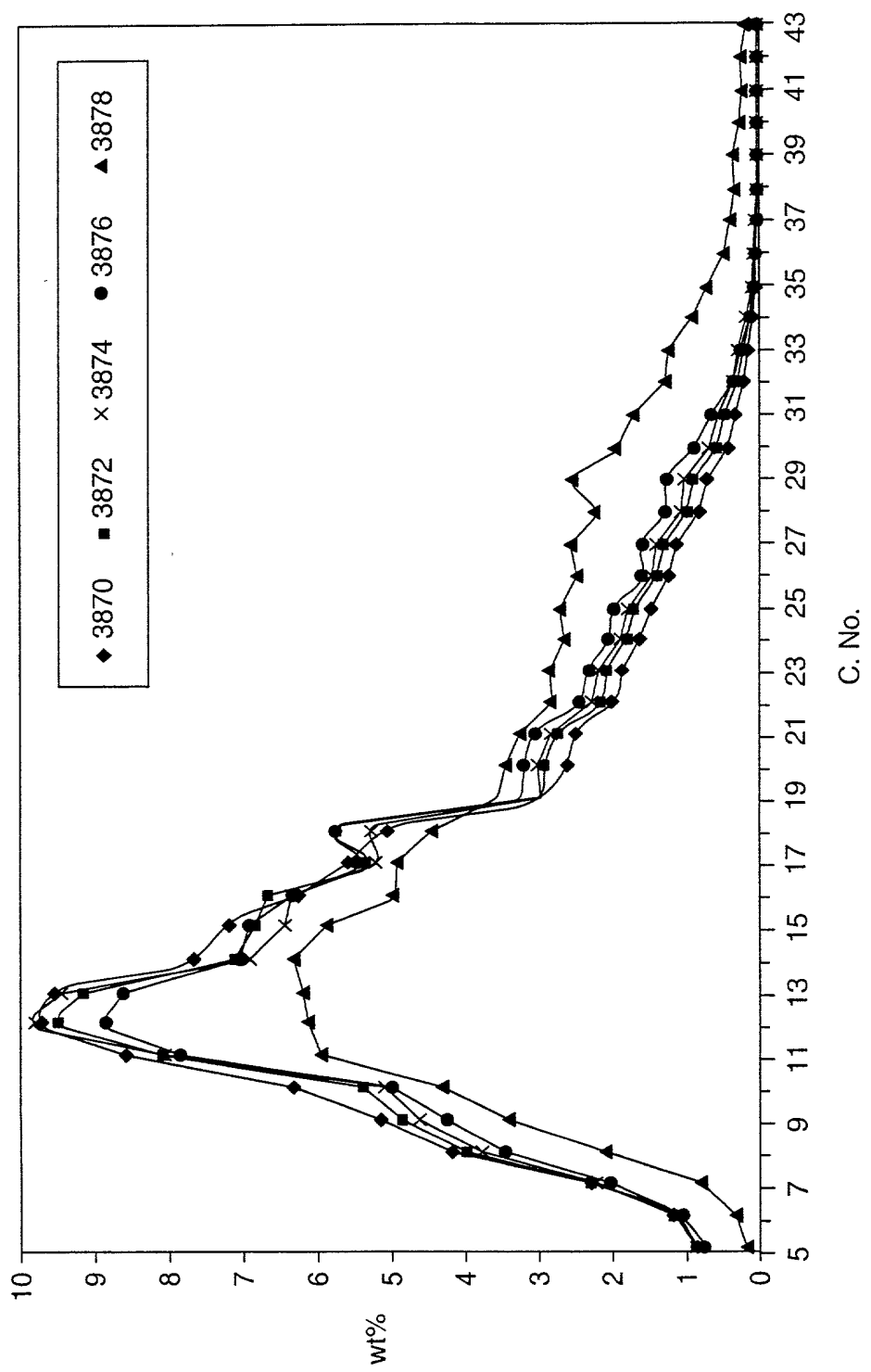


FIG. 146

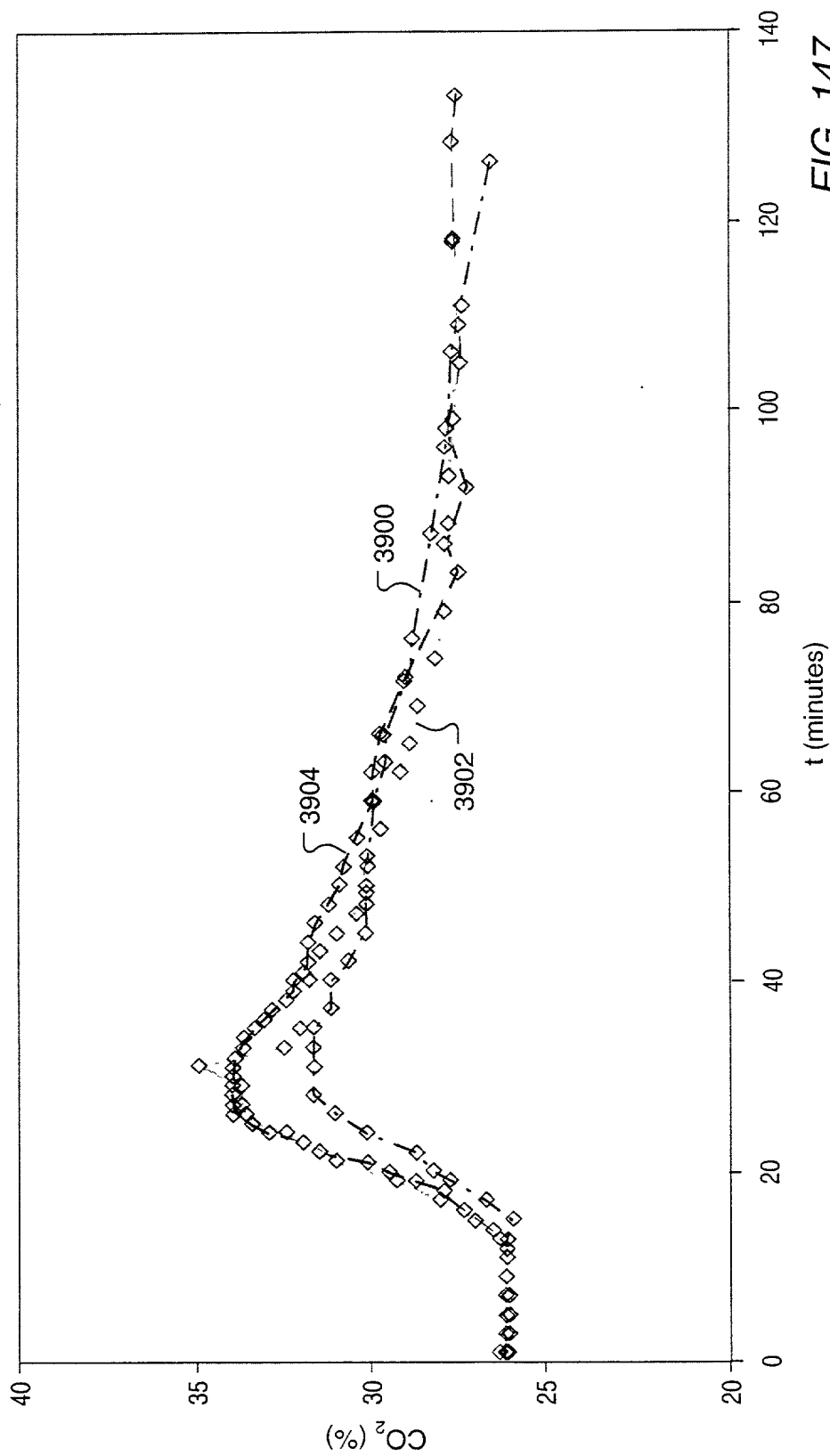


FIG. 147



104240" 96274860

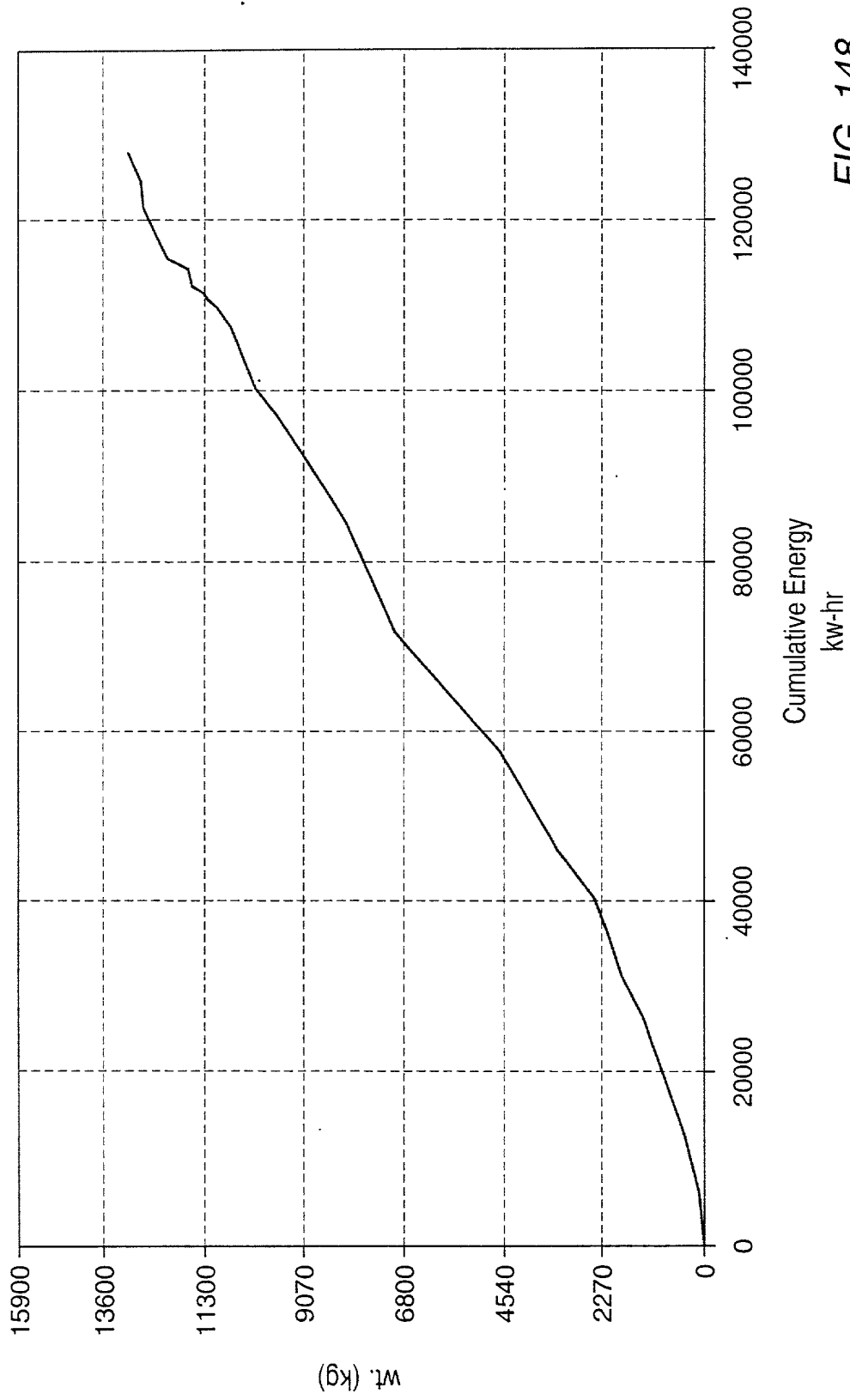


FIG. 148

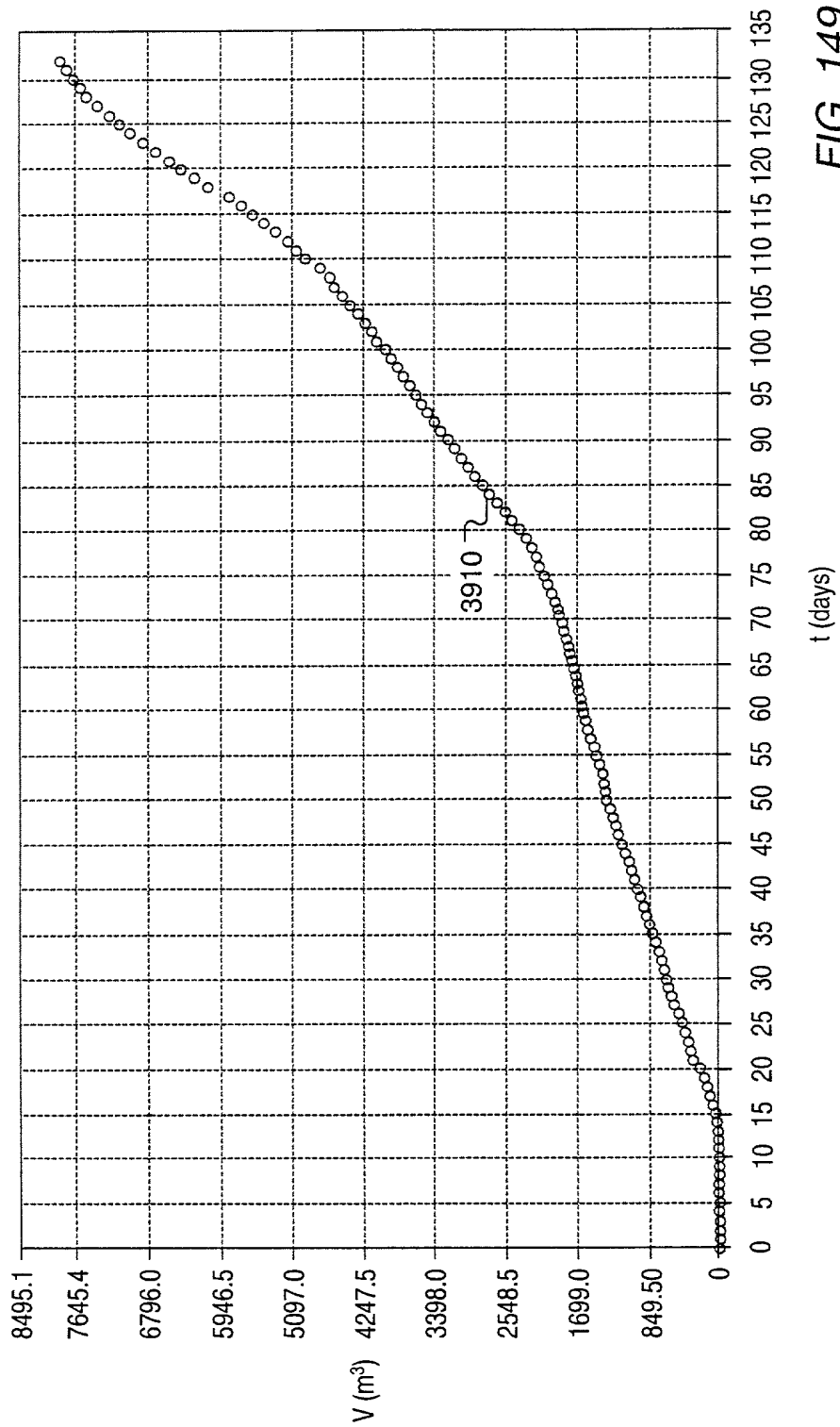


FIG. 149

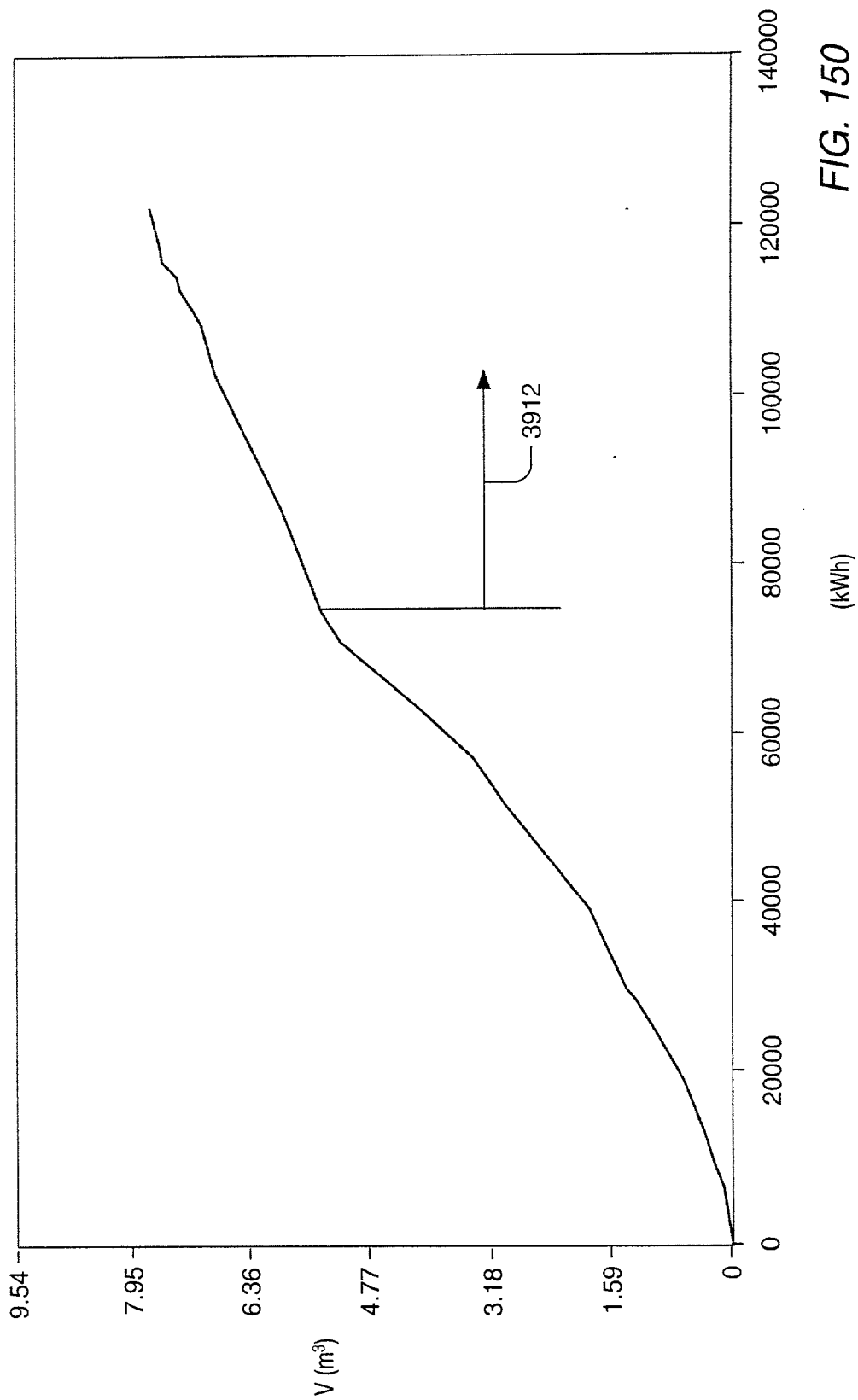


FIG. 150

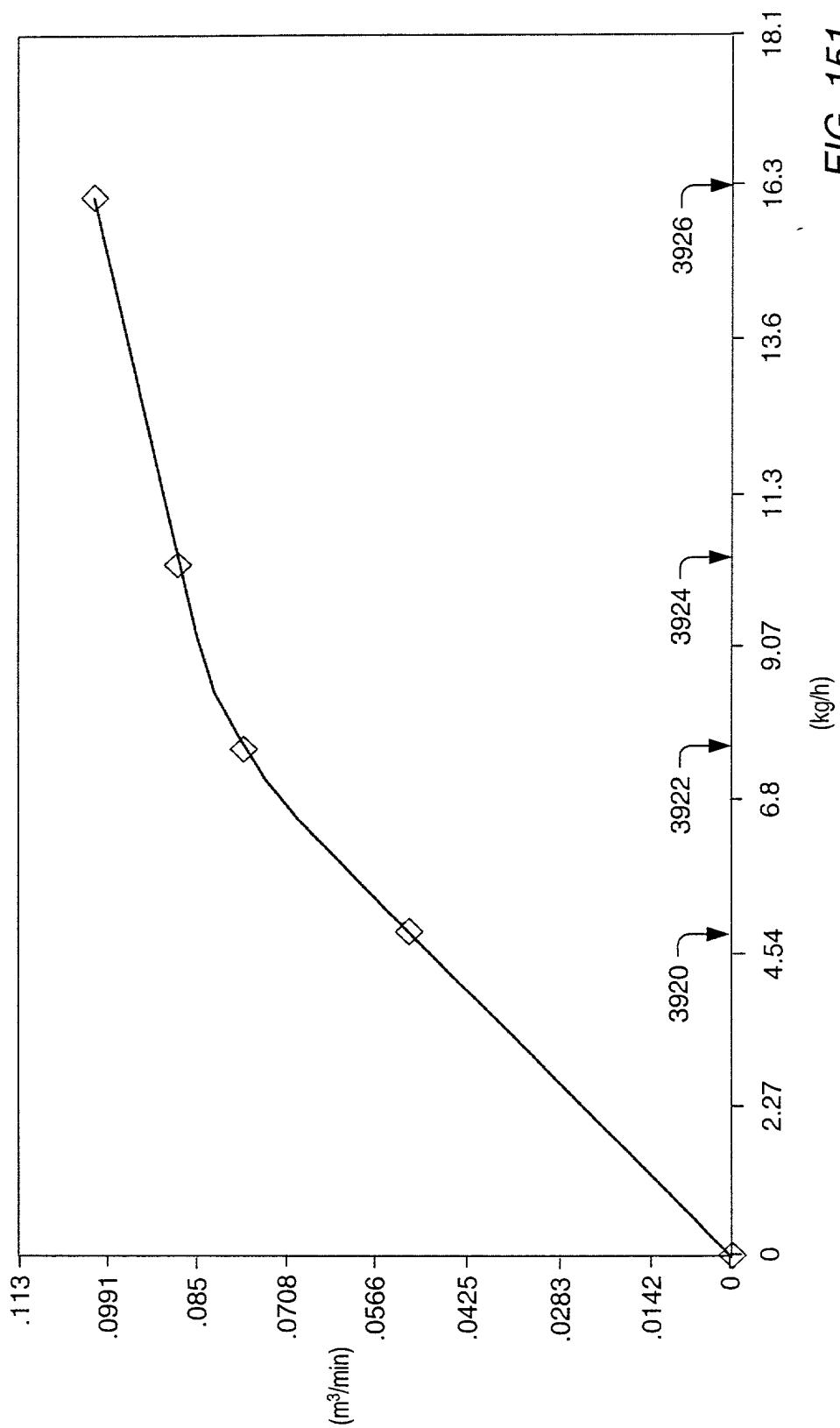


FIG. 151

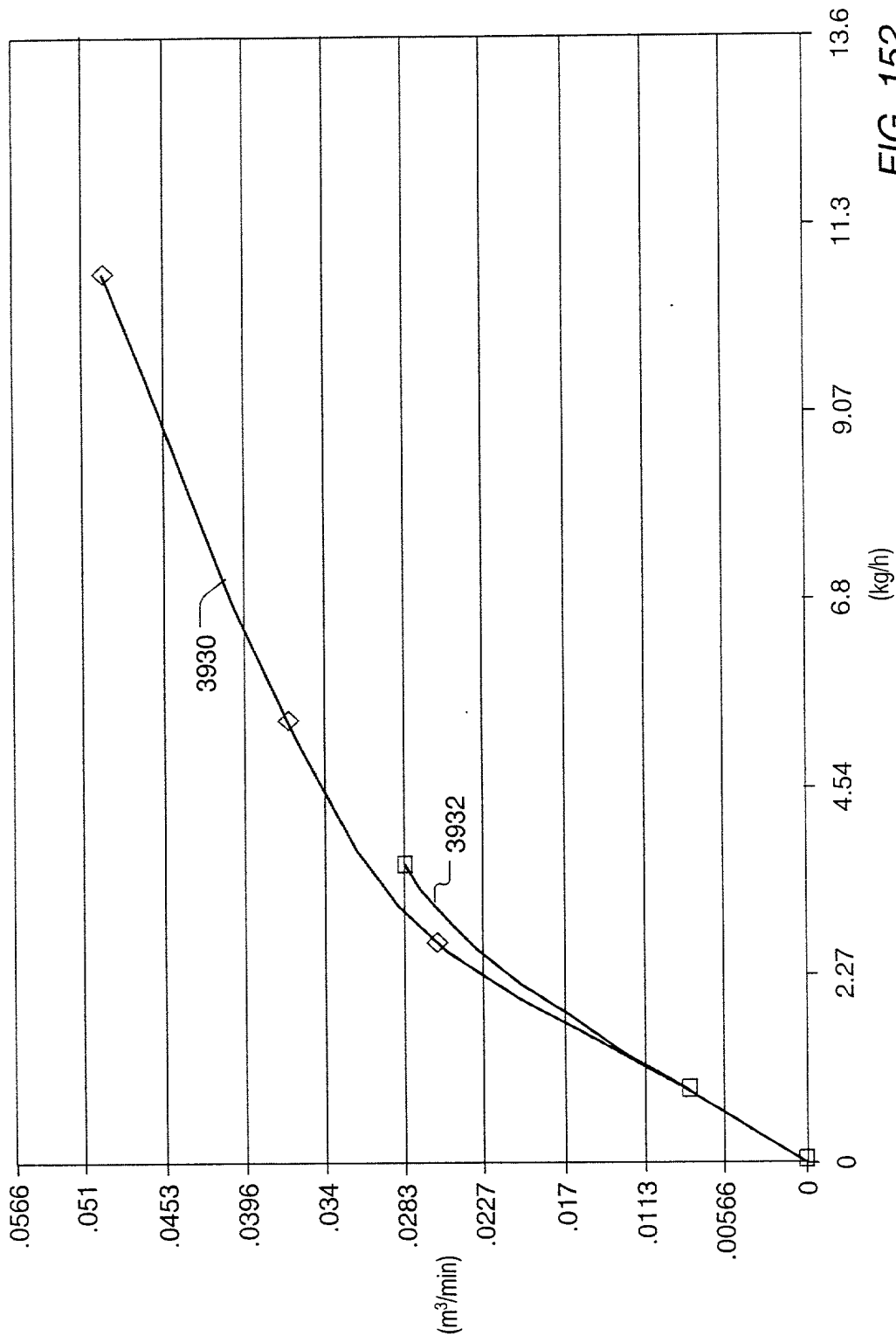


FIG. 152

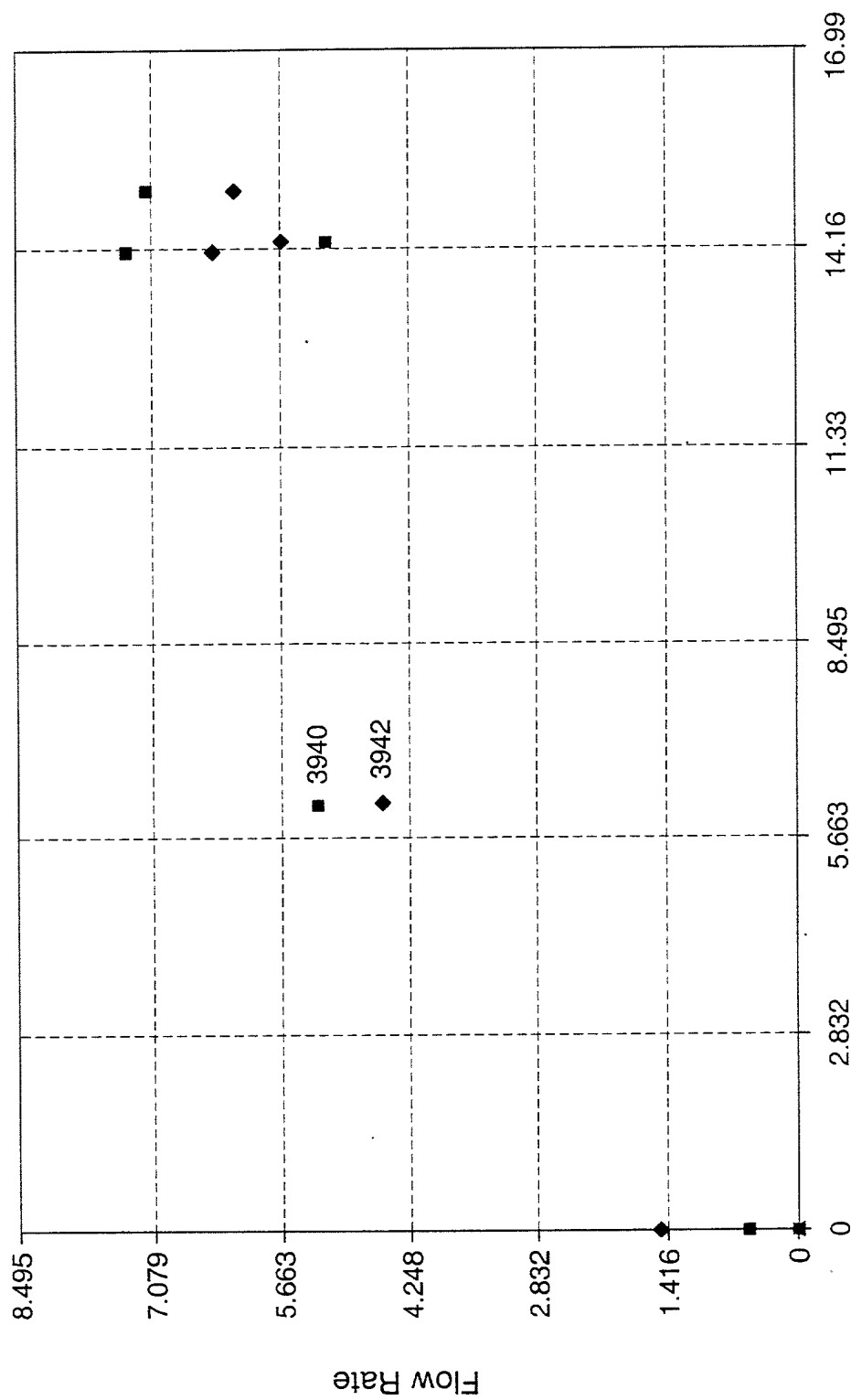


FIG. 153

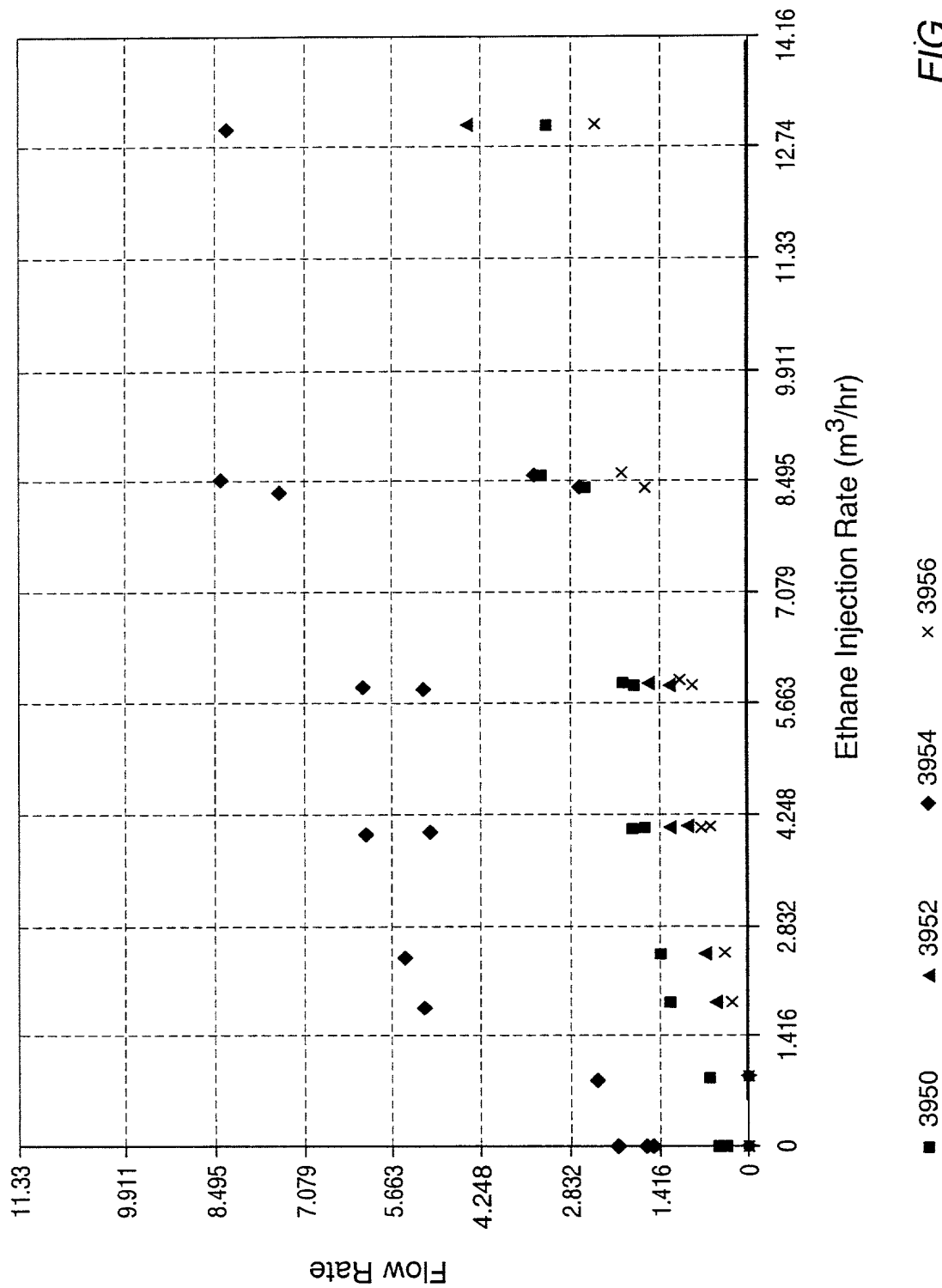


FIG. 154





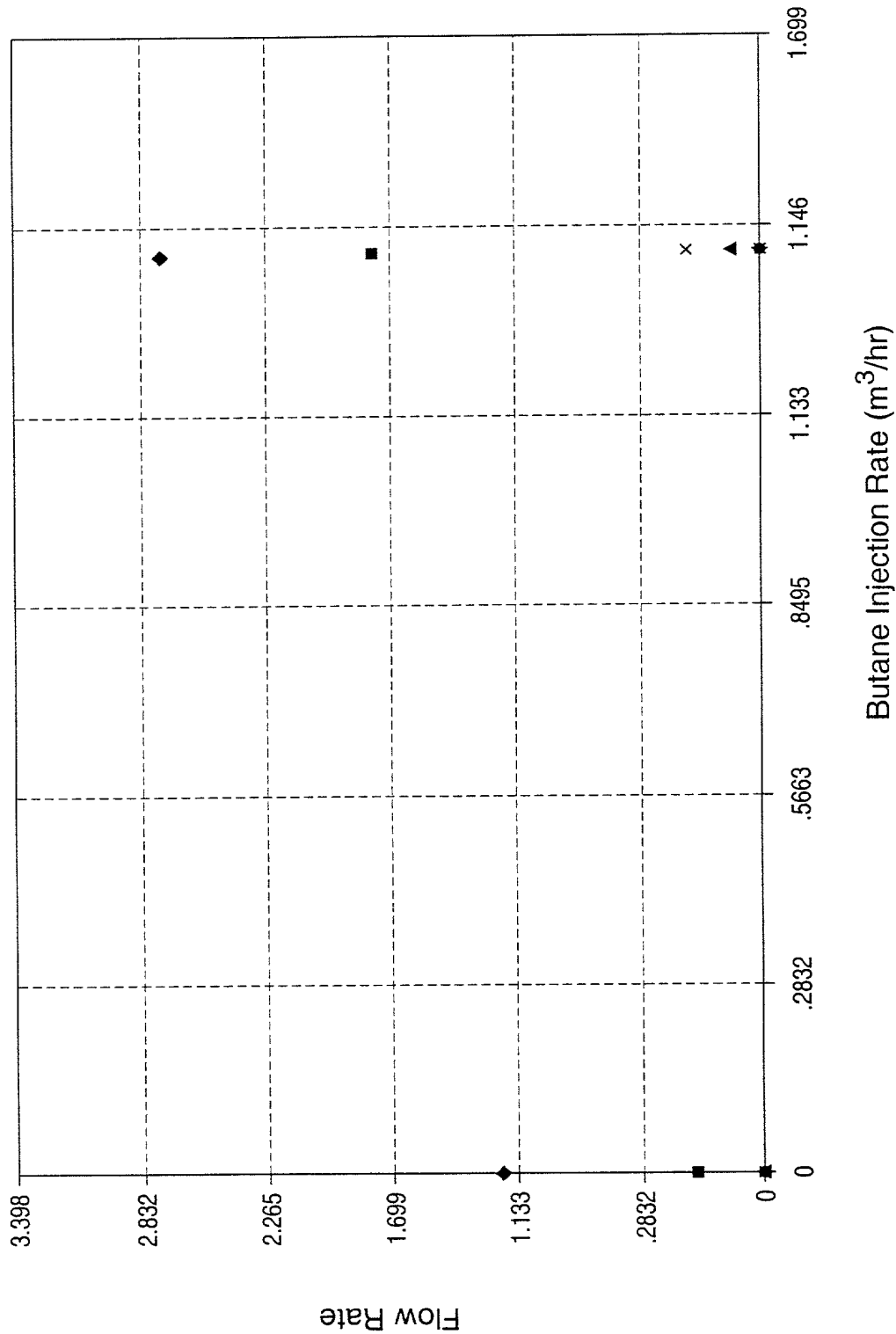


FIG. 156

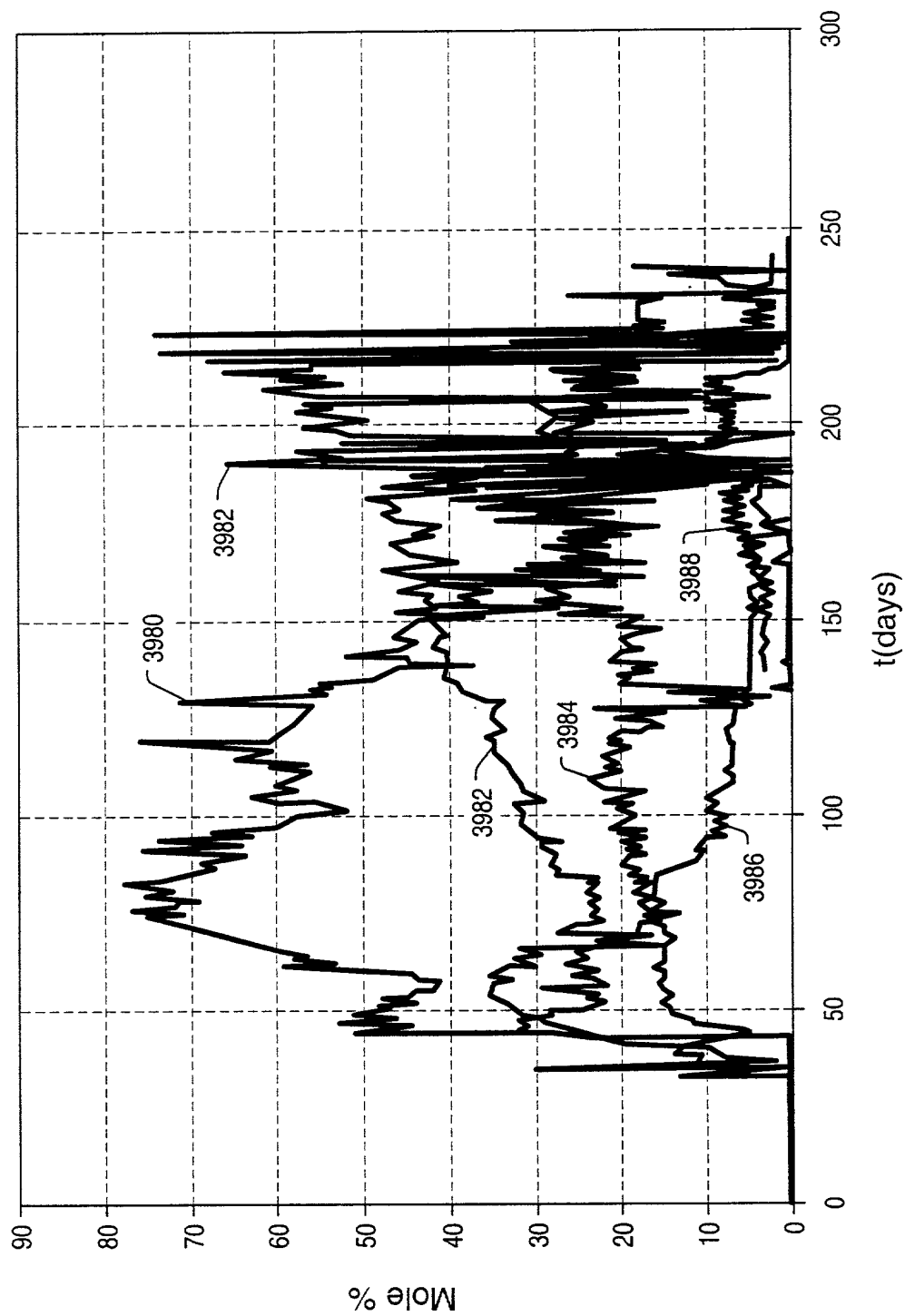
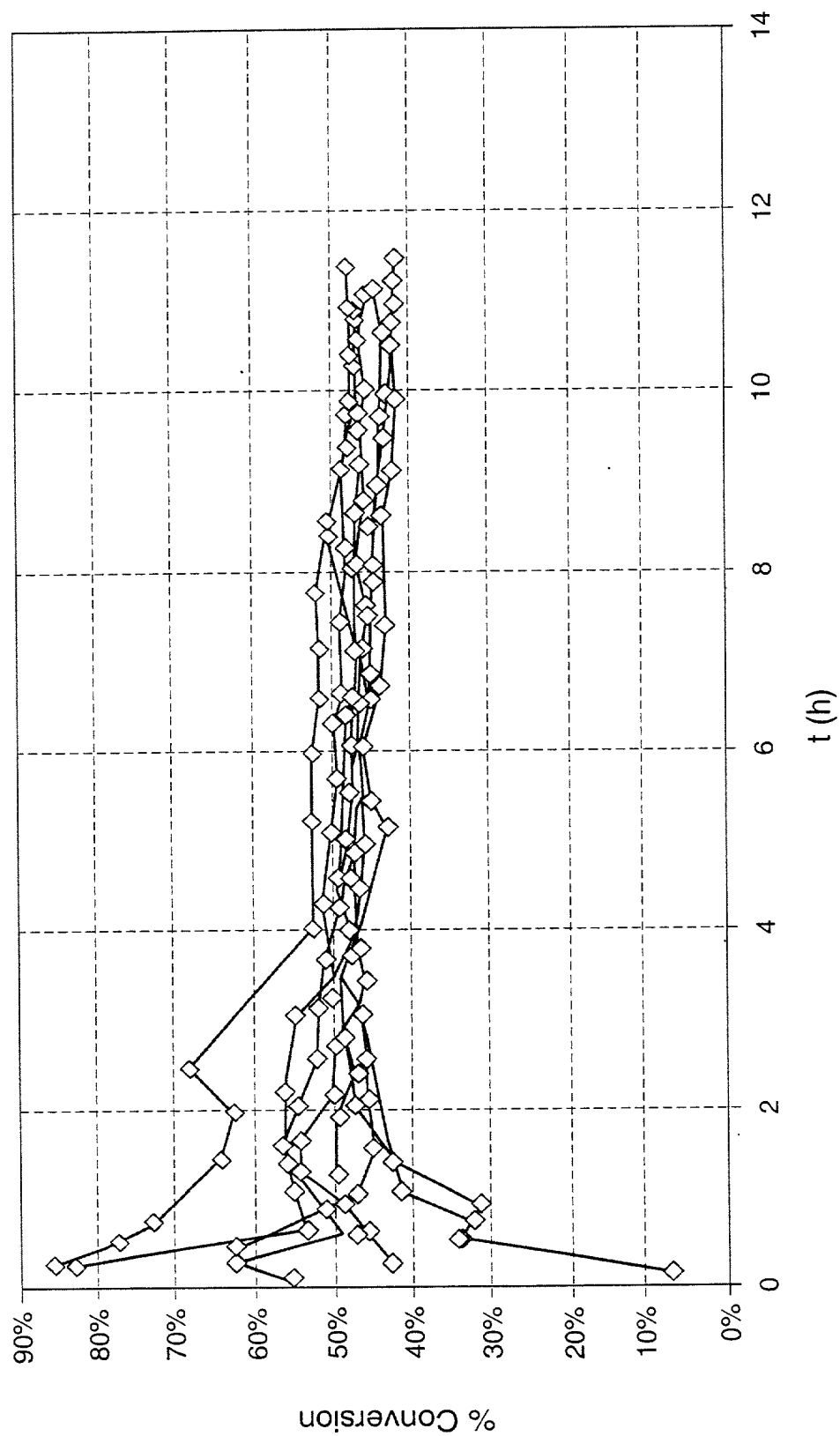


FIG. 157

[illegible]

**FIG. 158**

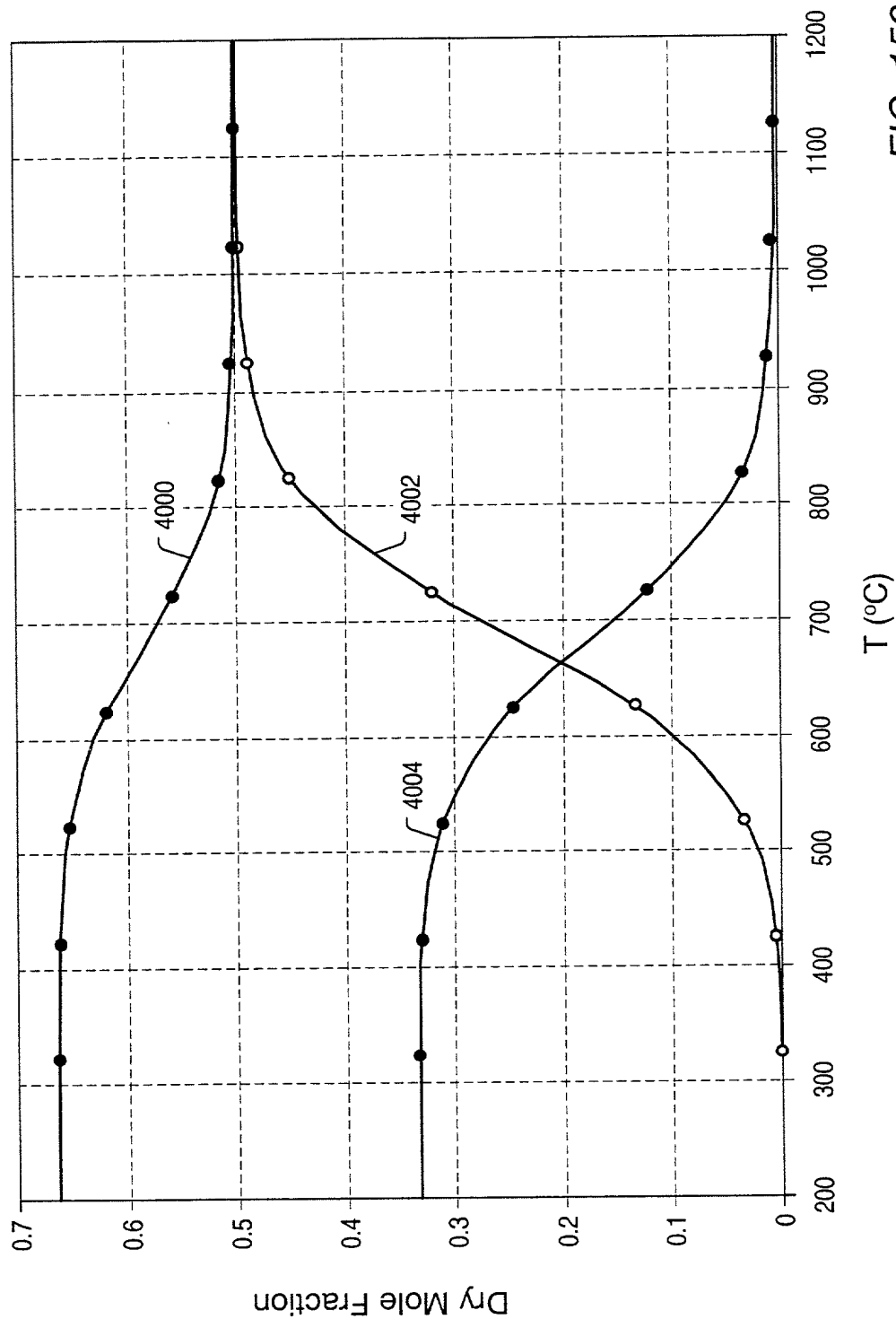


FIG. 159

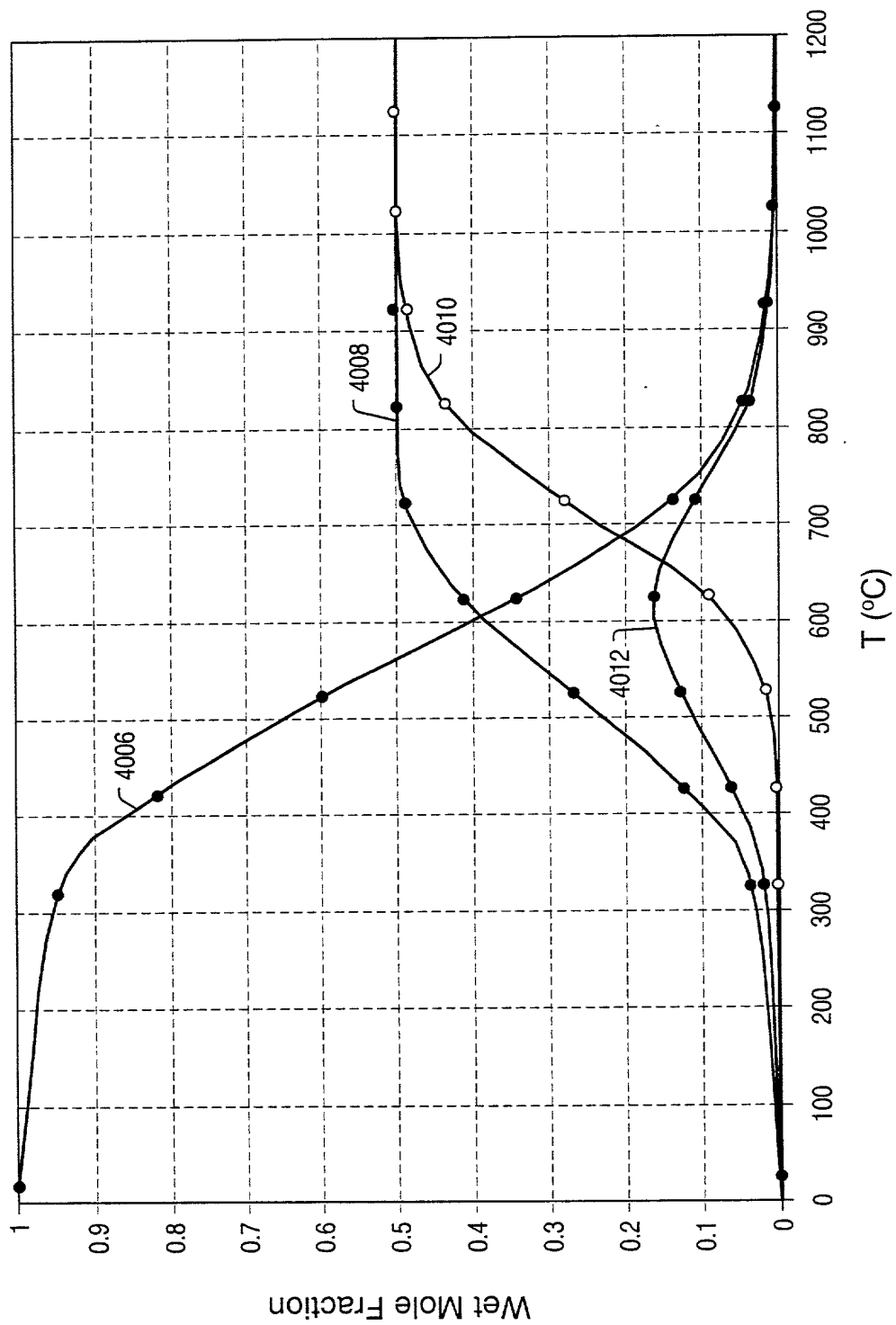
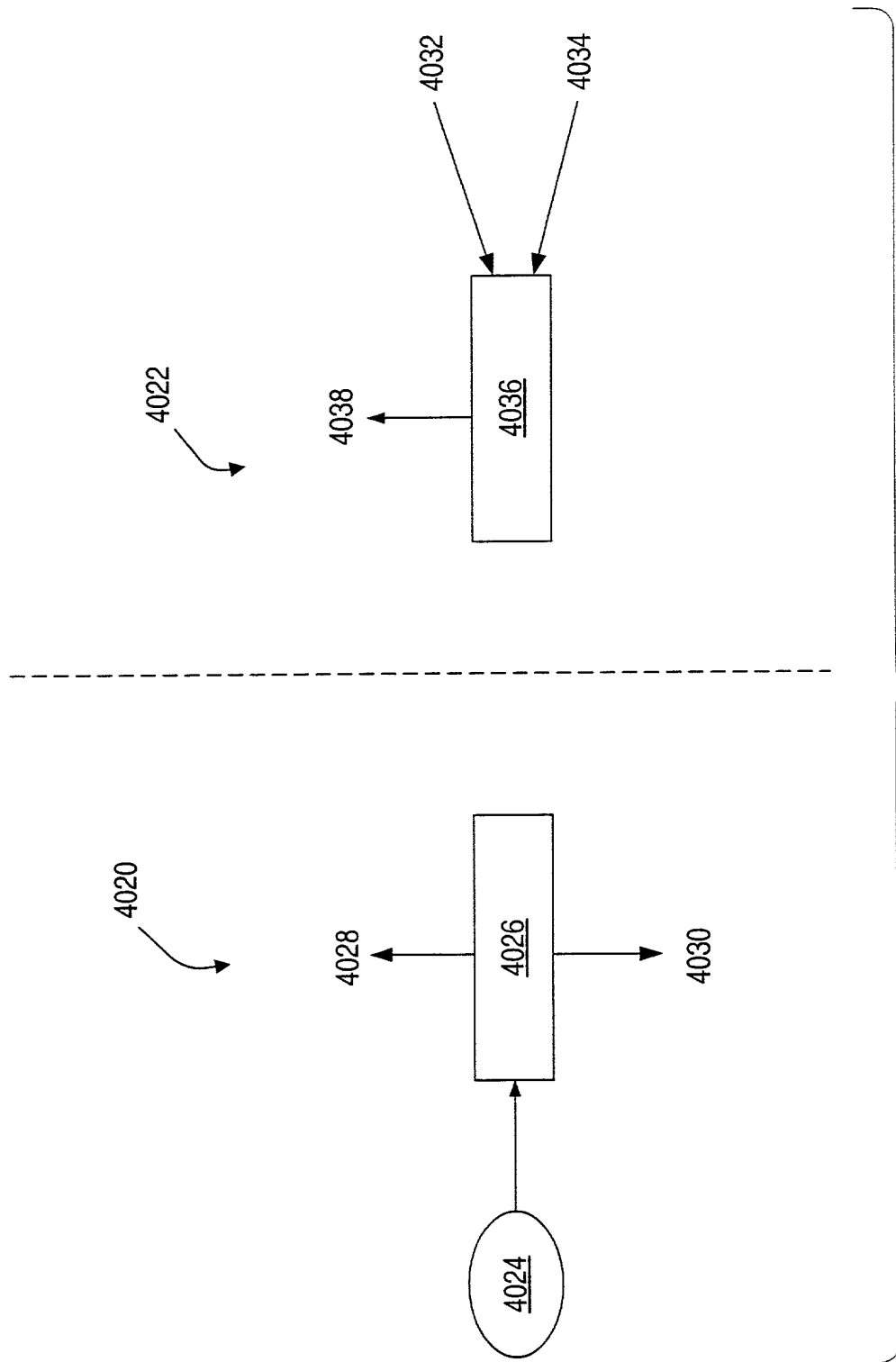


FIG. 160



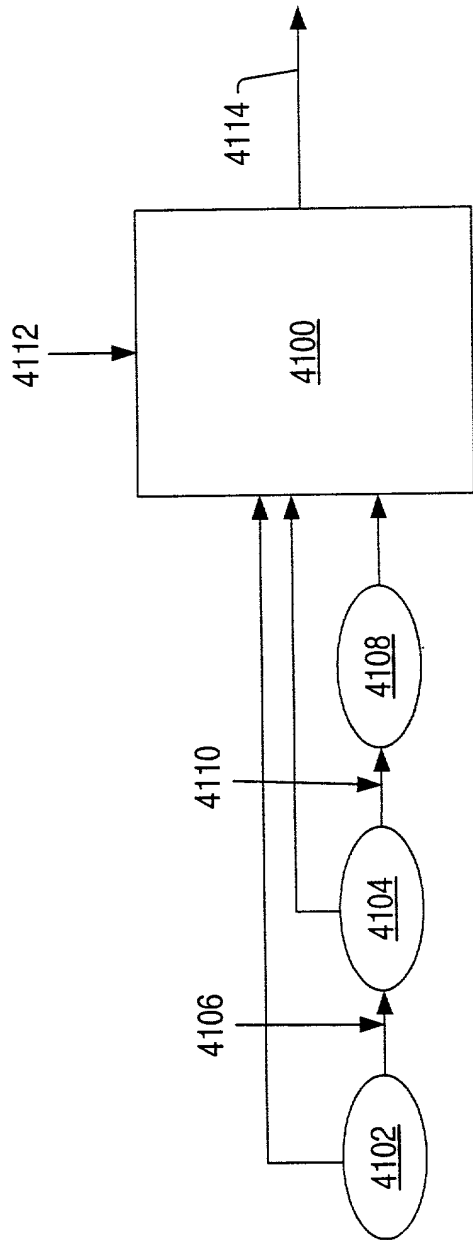


FIG. 162

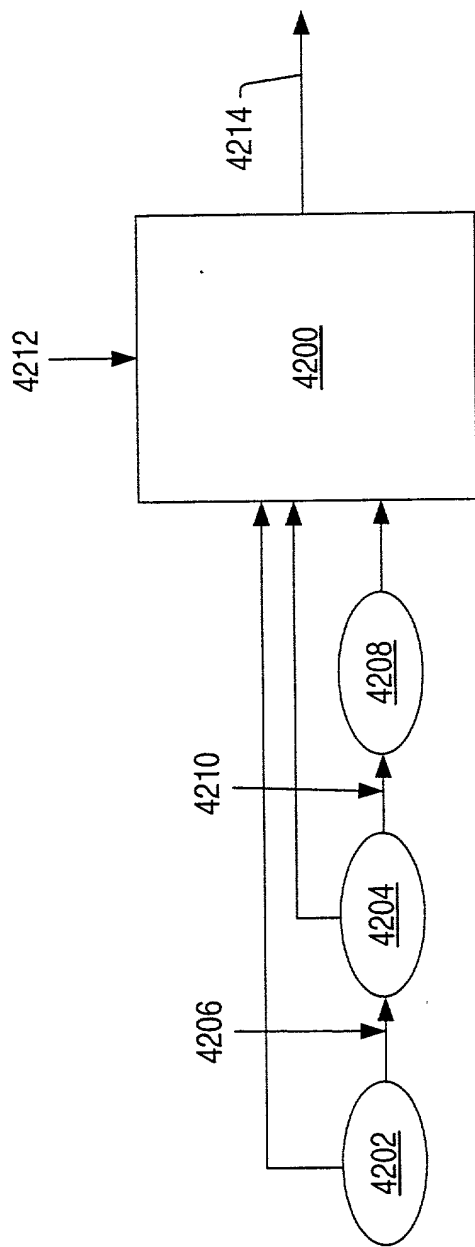


FIG. 163



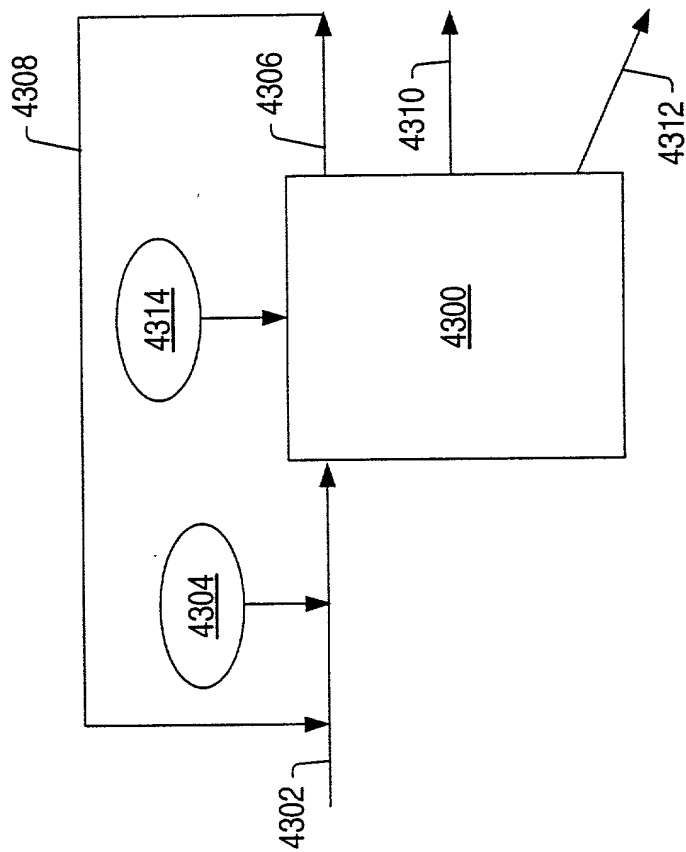


FIG. 164

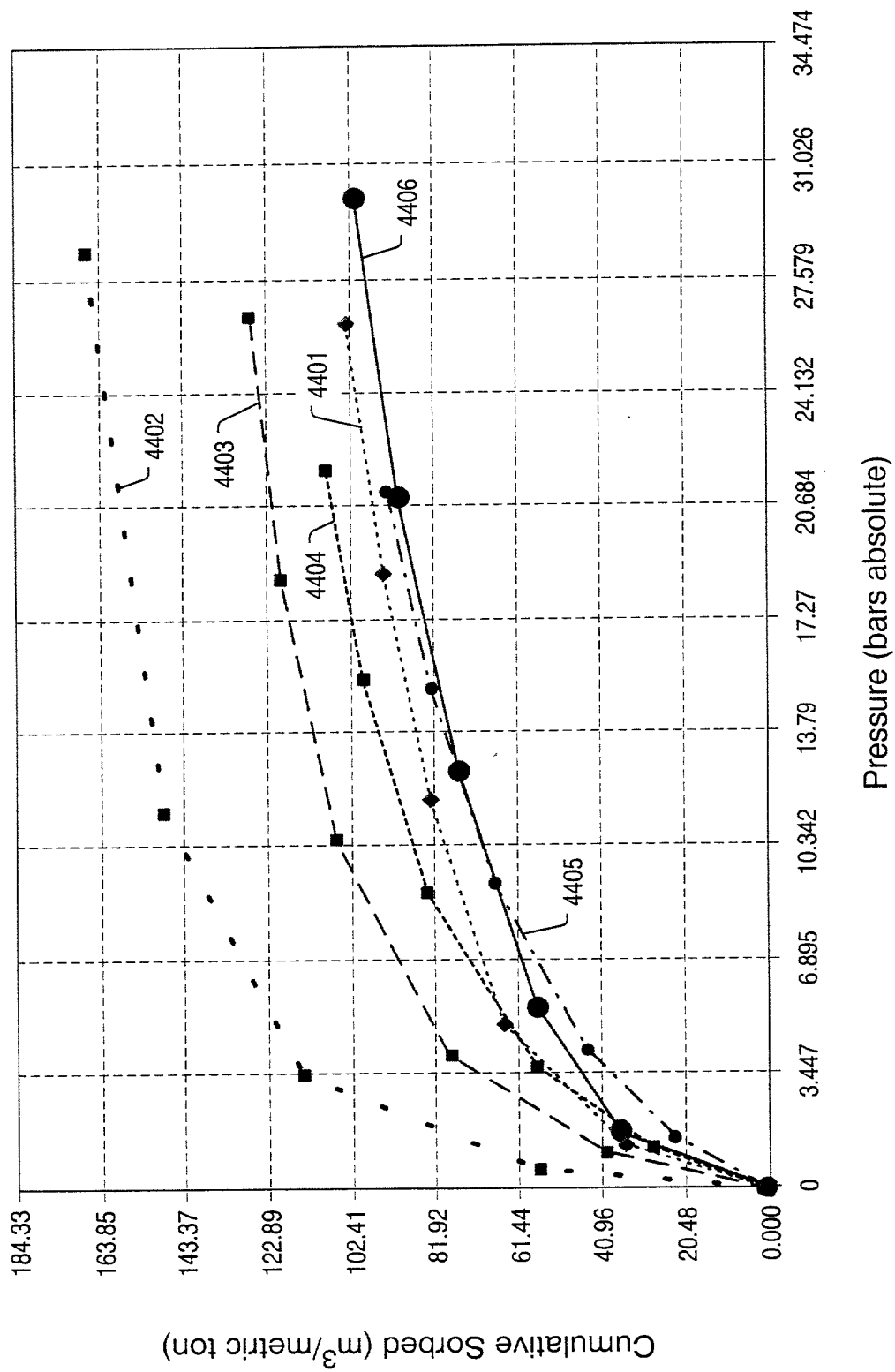


FIG. 165

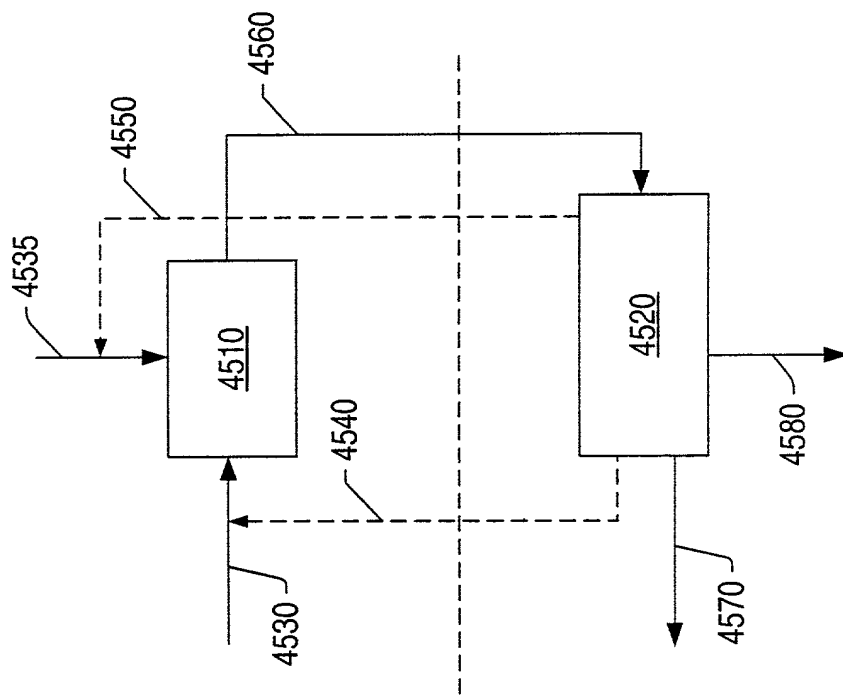


FIG. 166

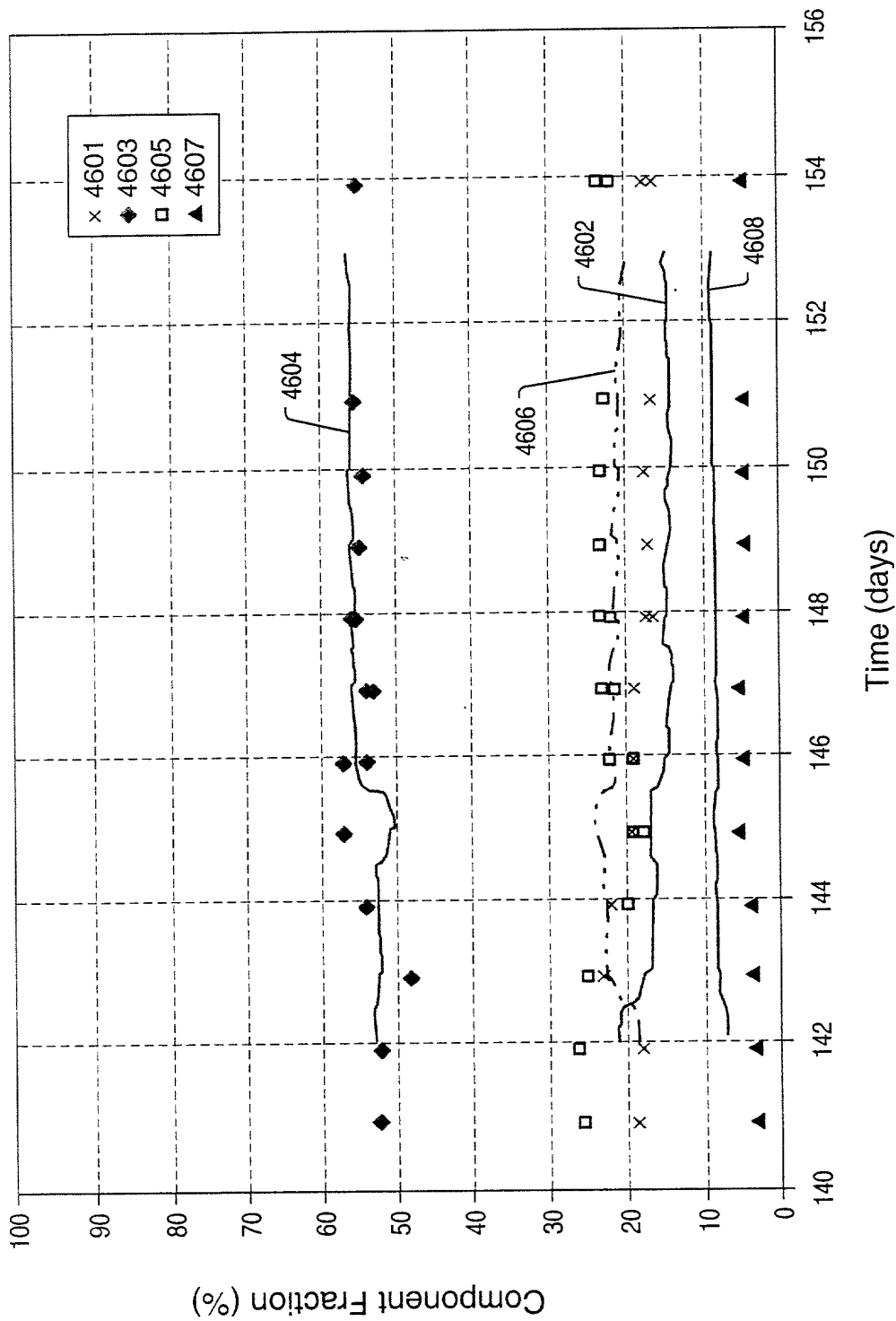


FIG. 167

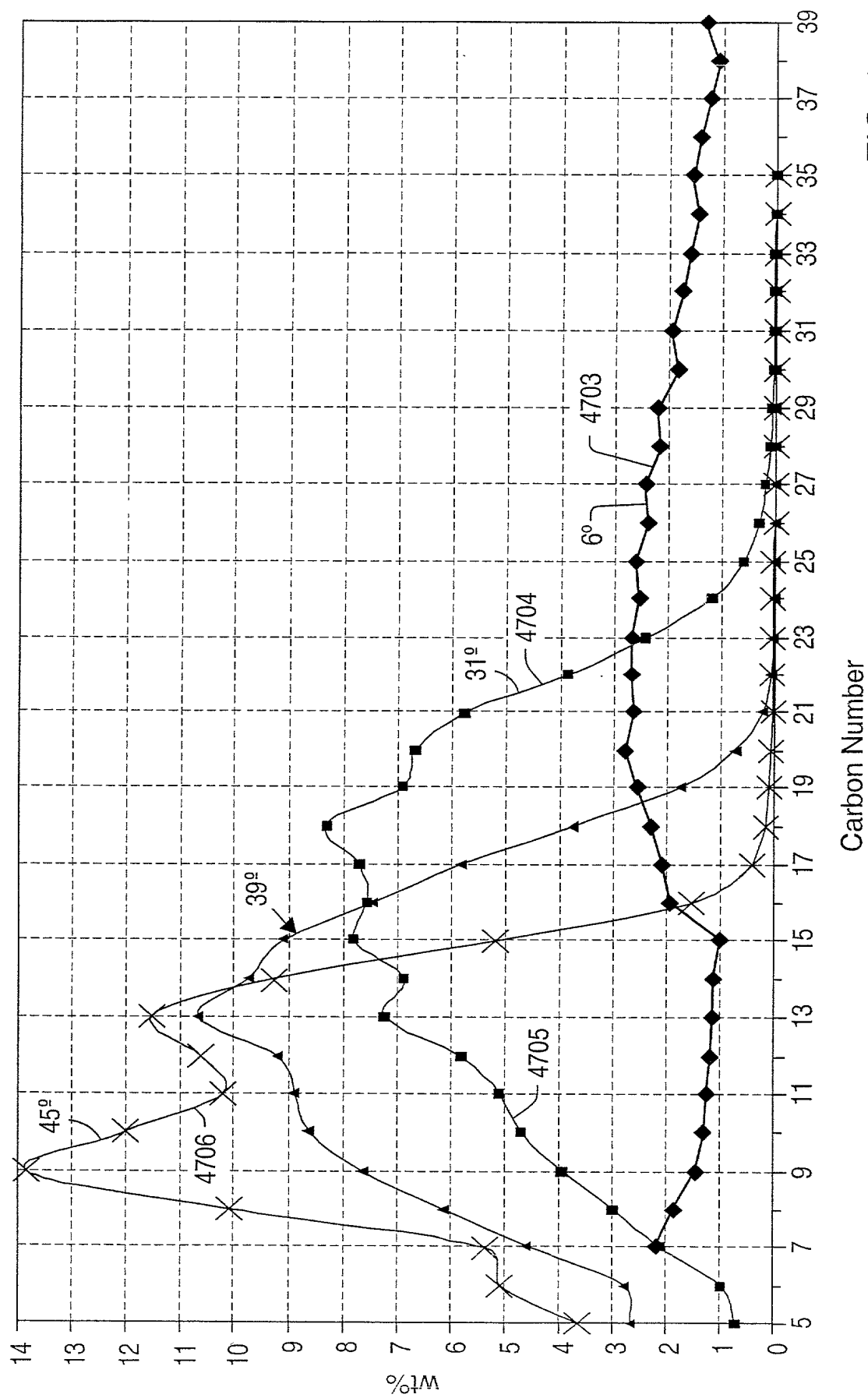


FIG. 168

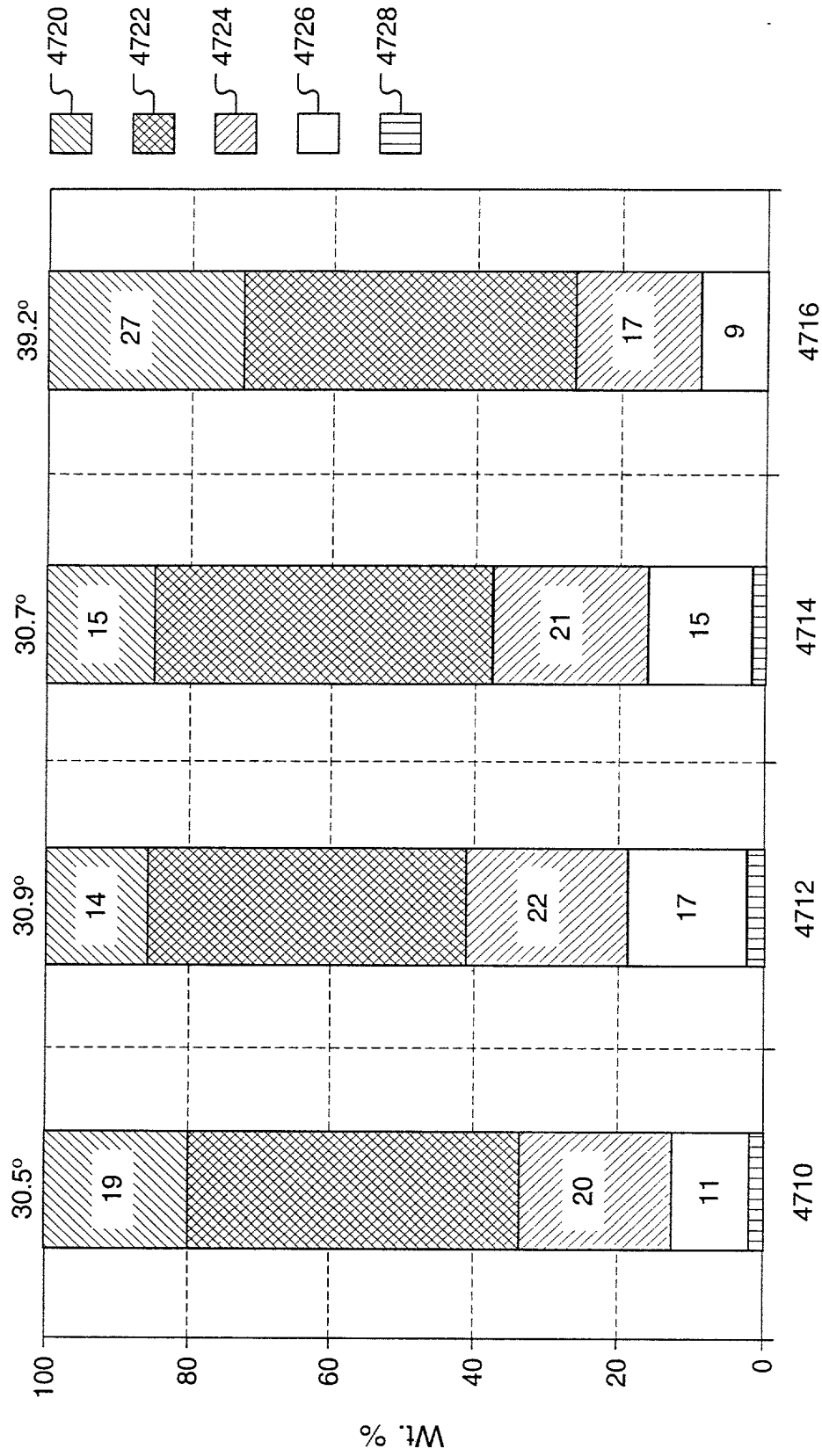


FIG. 169

FOH240" 952T4860

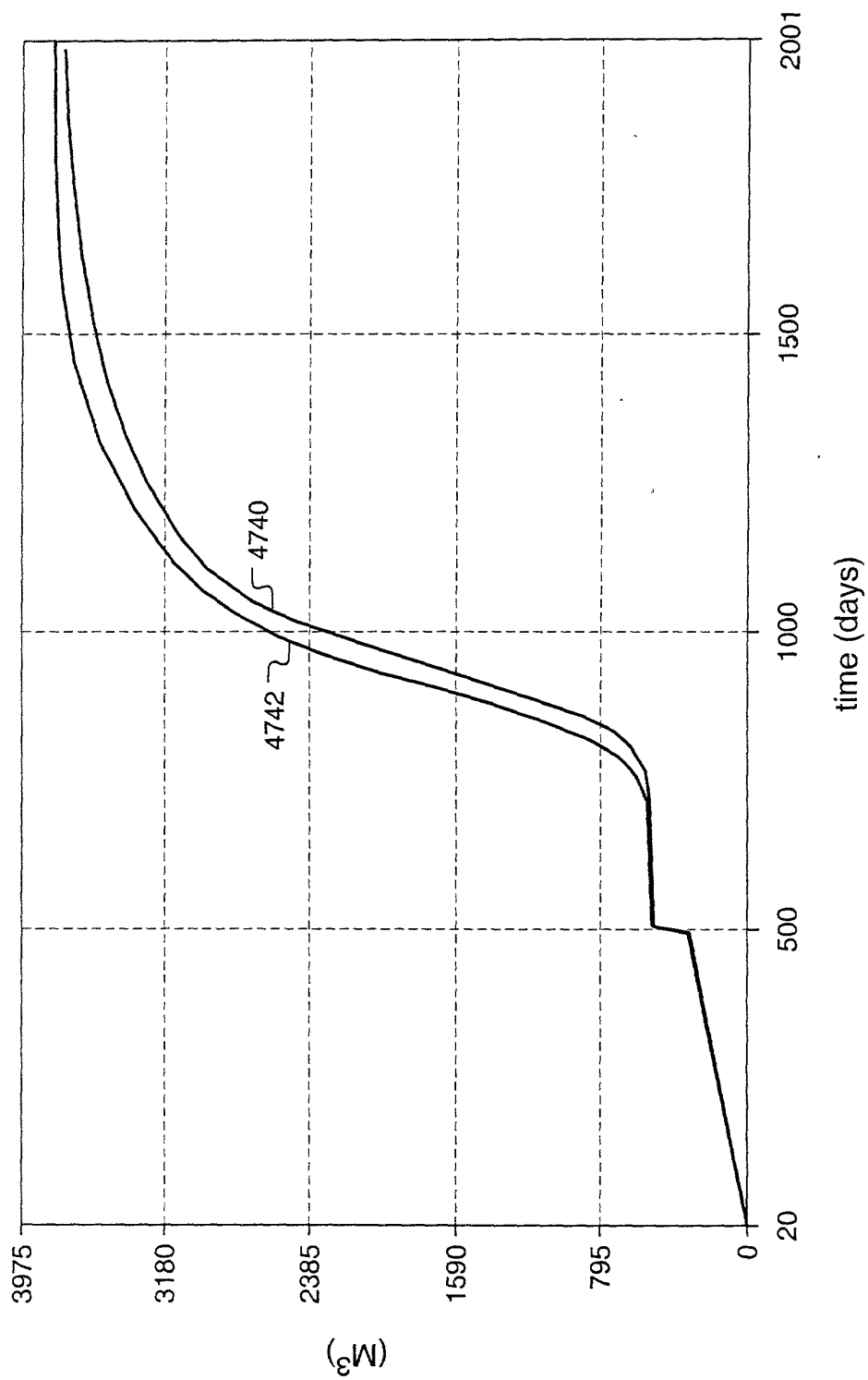


FIG. 170

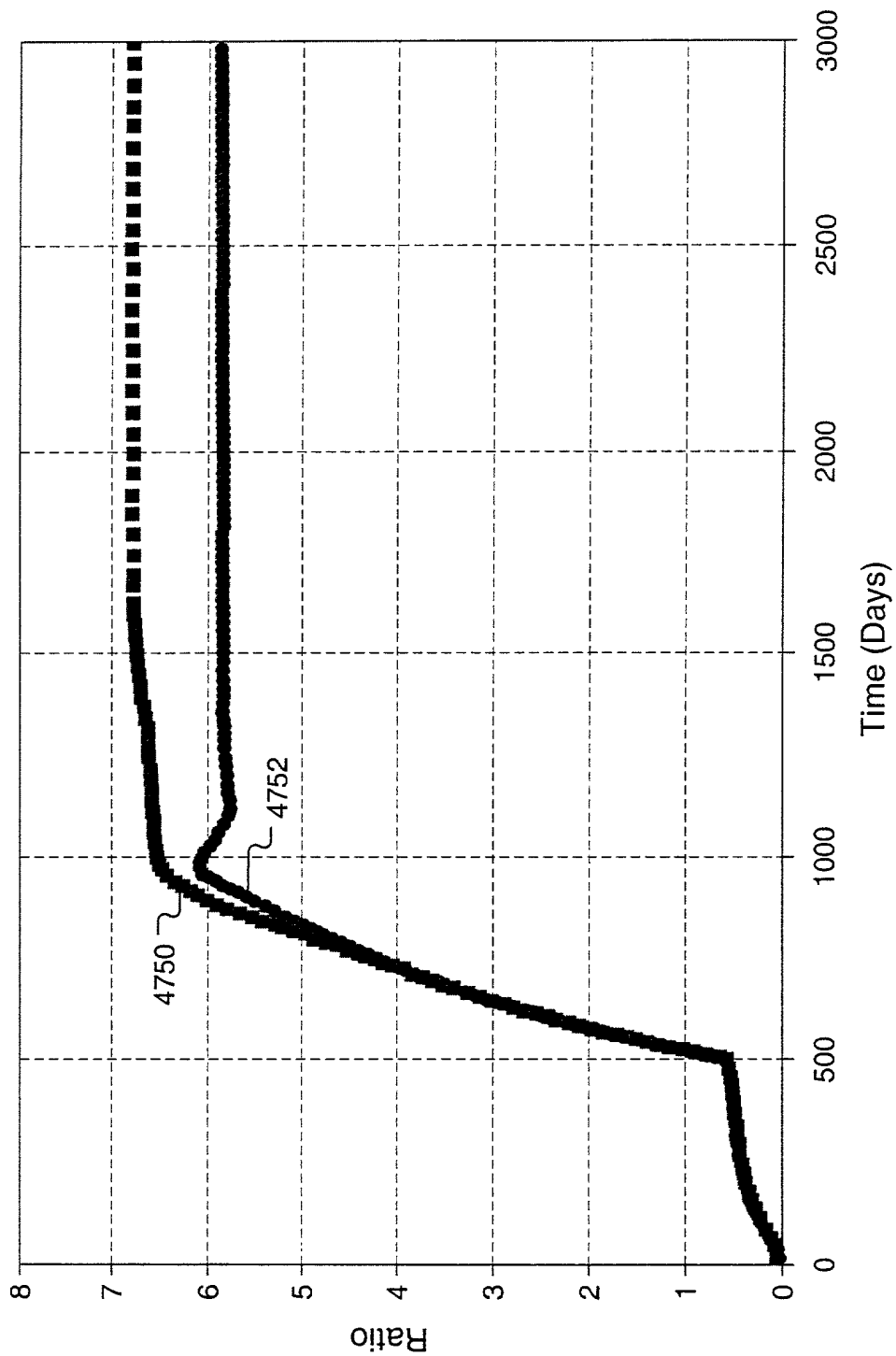


FIG. 171



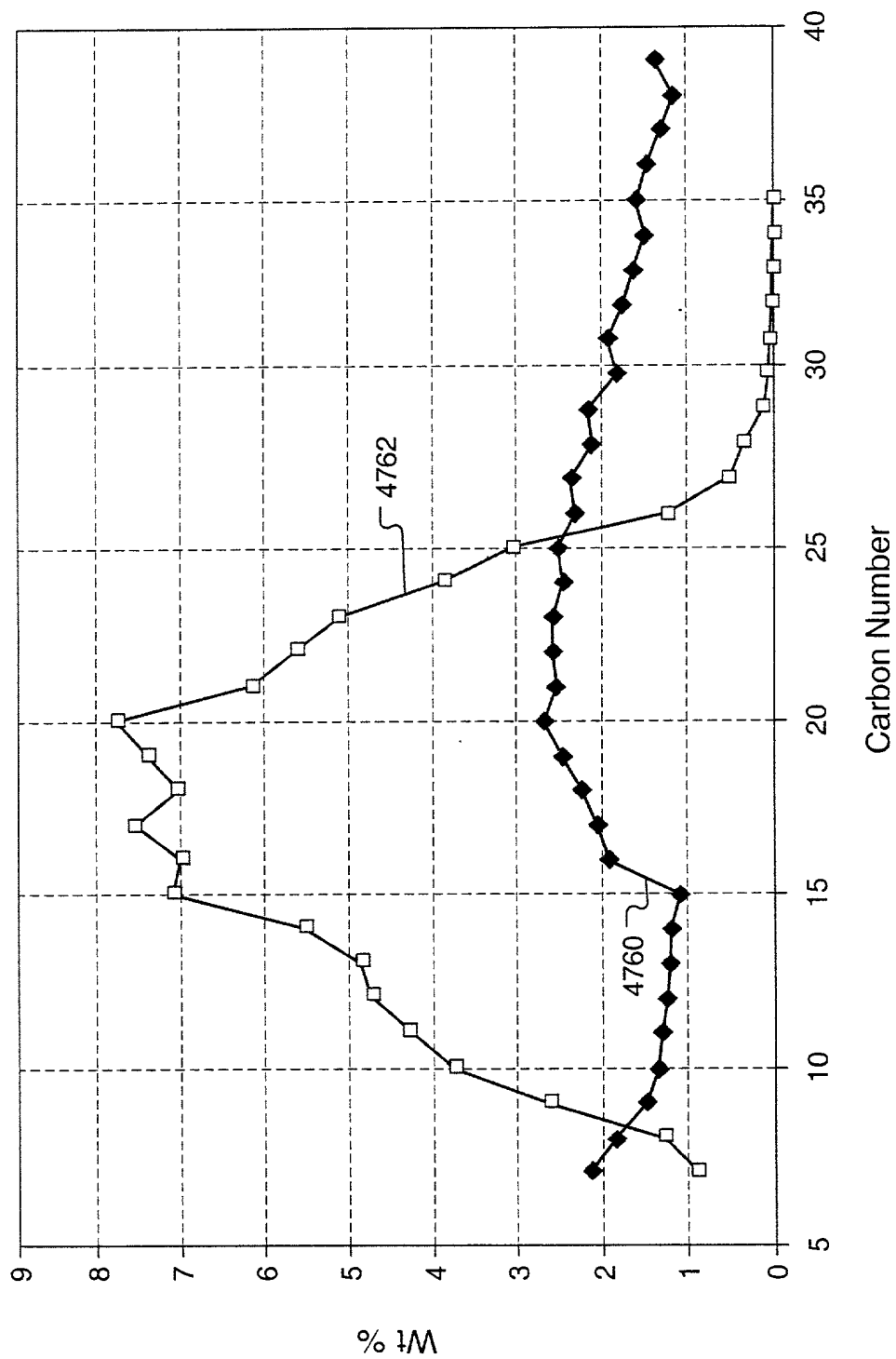


FIG. 172

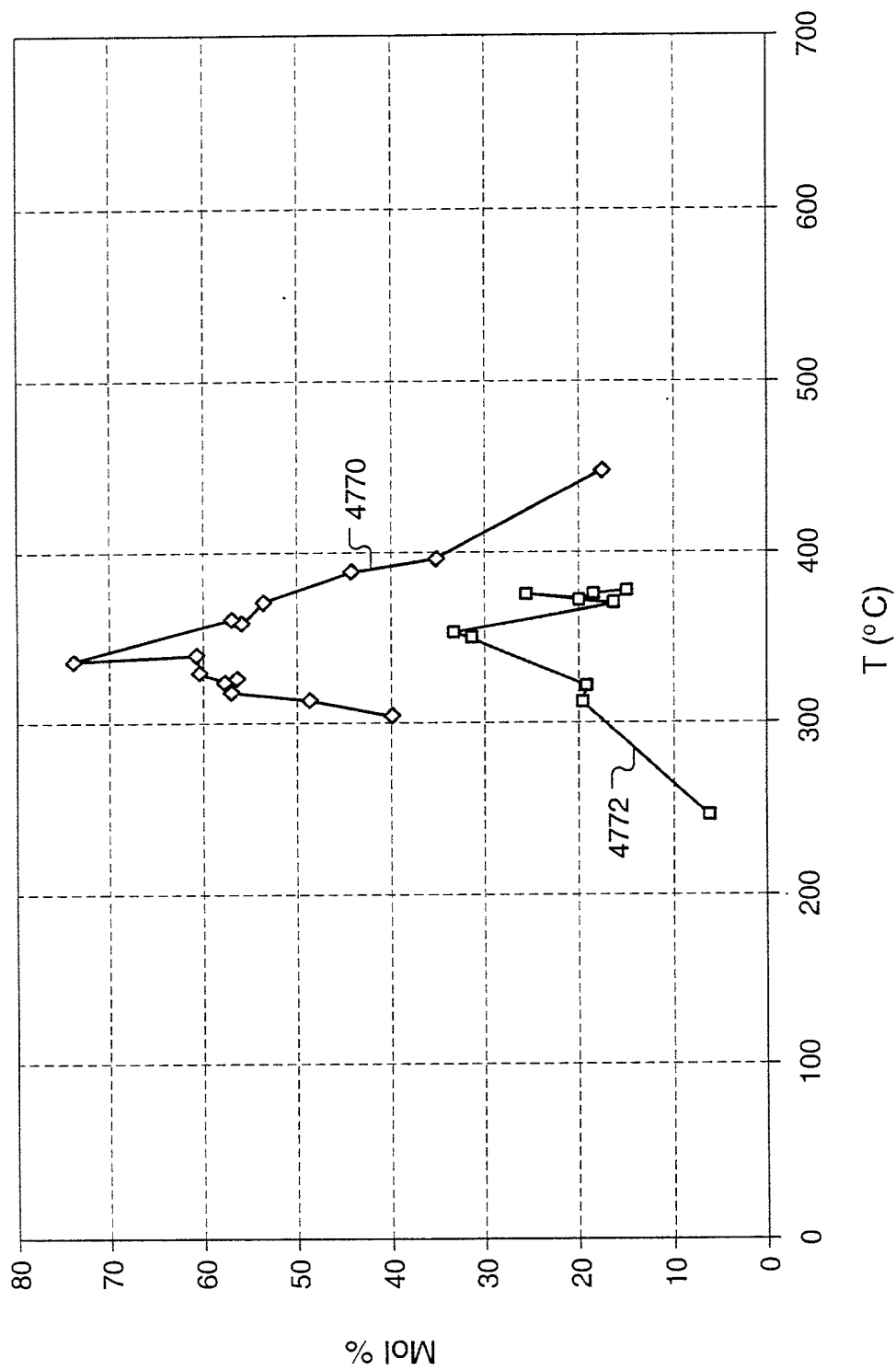


FIG. 173

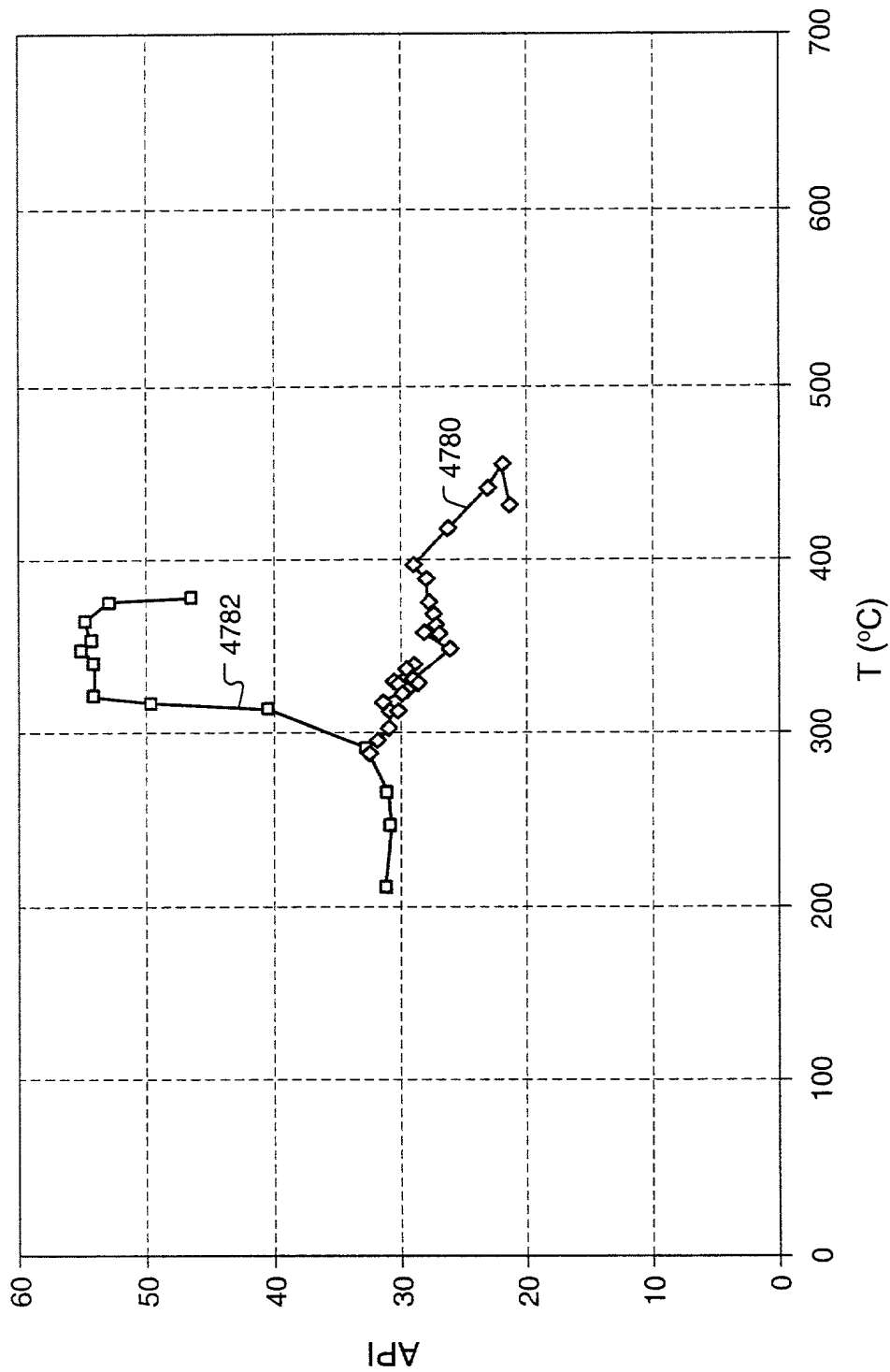


FIG. 174

T04240" 96274860

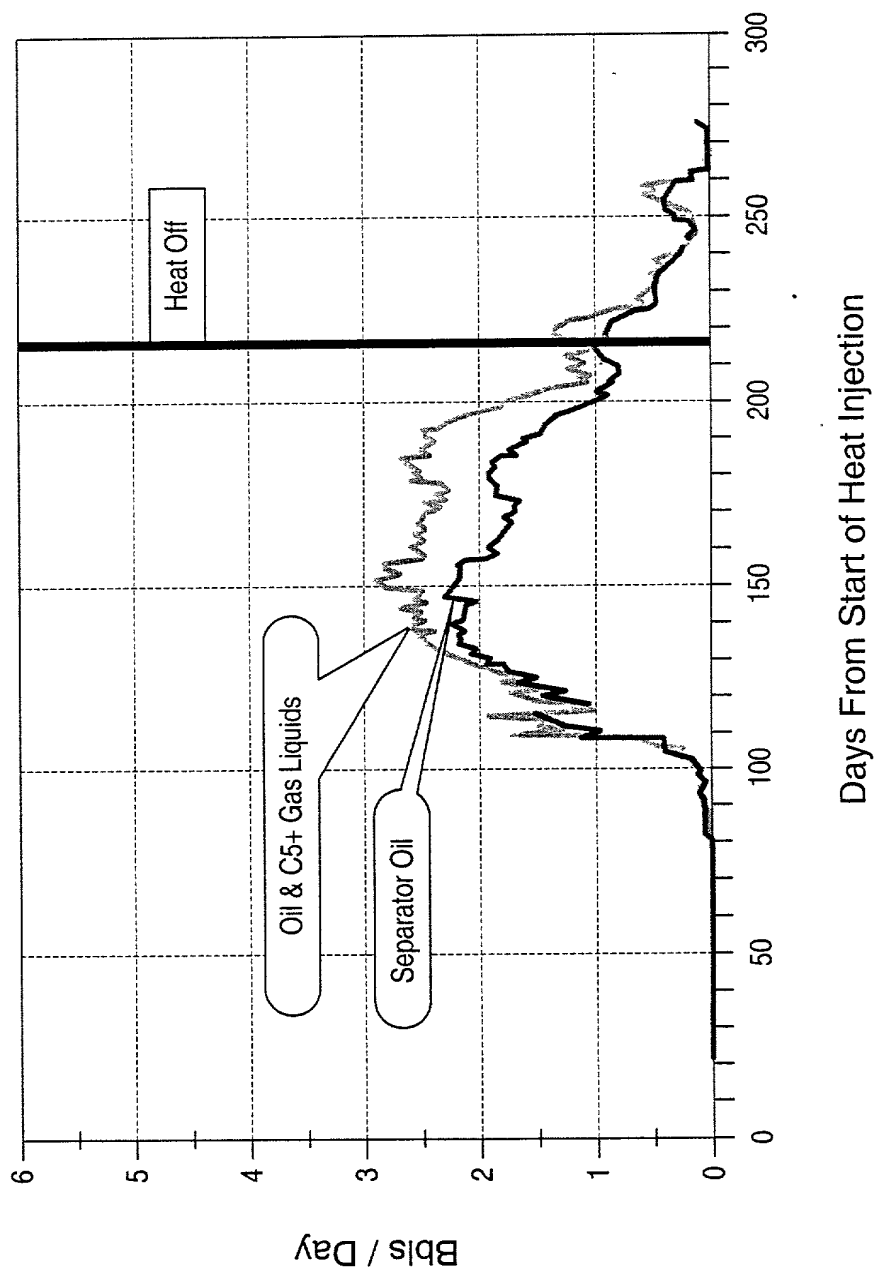


FIG. 175

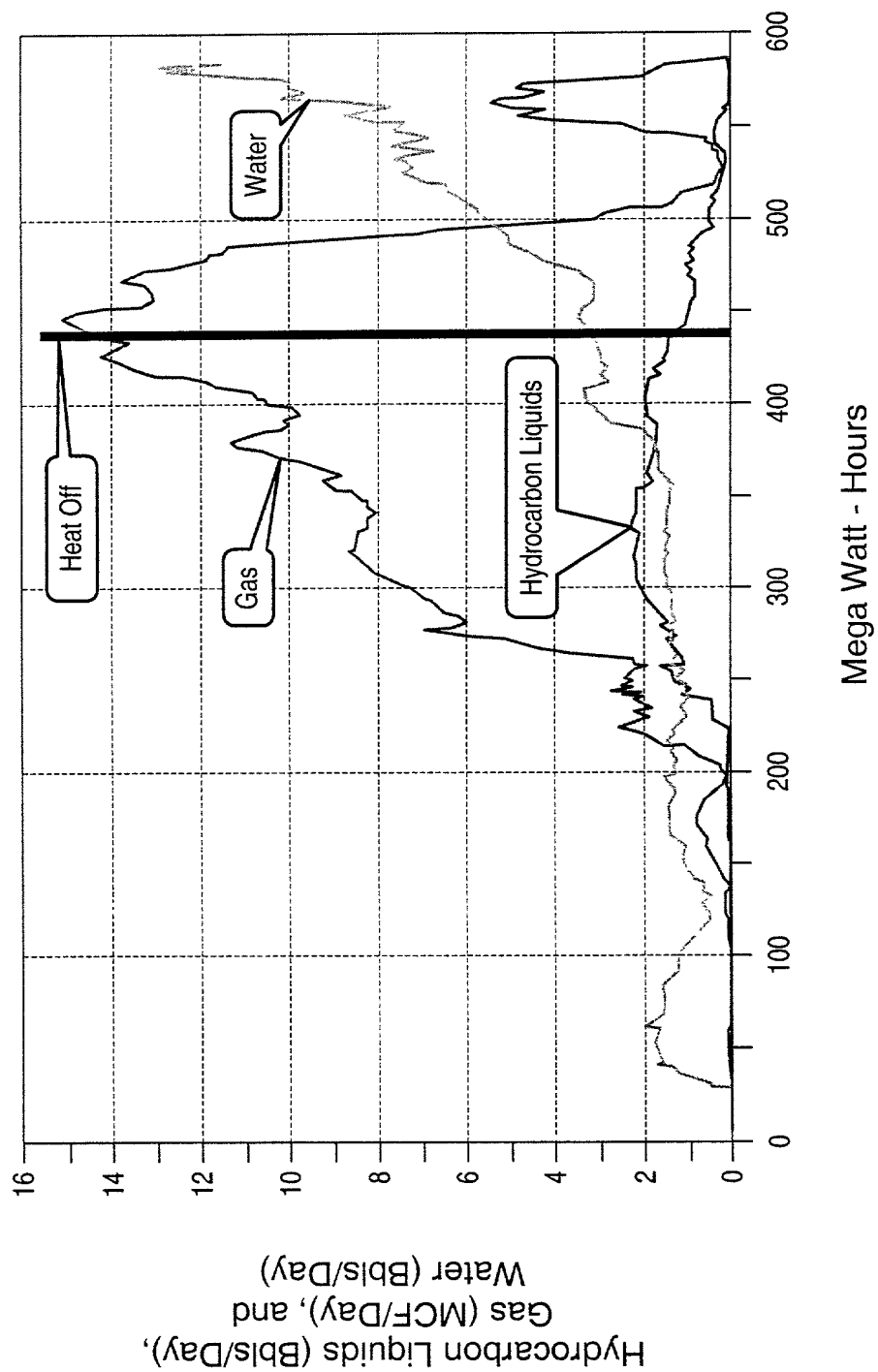


FIG. 176

104240" 96274860

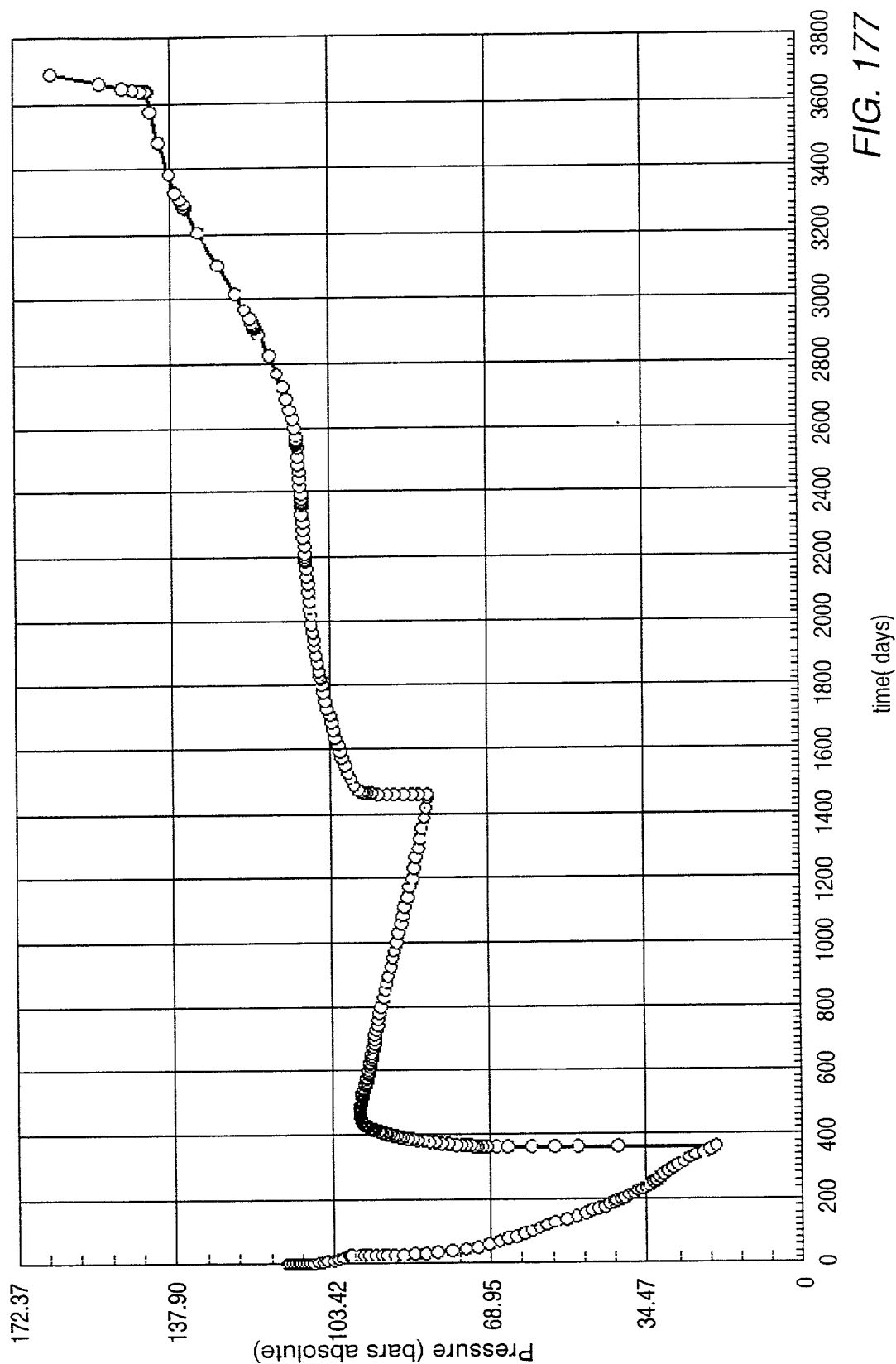


FIG. 177

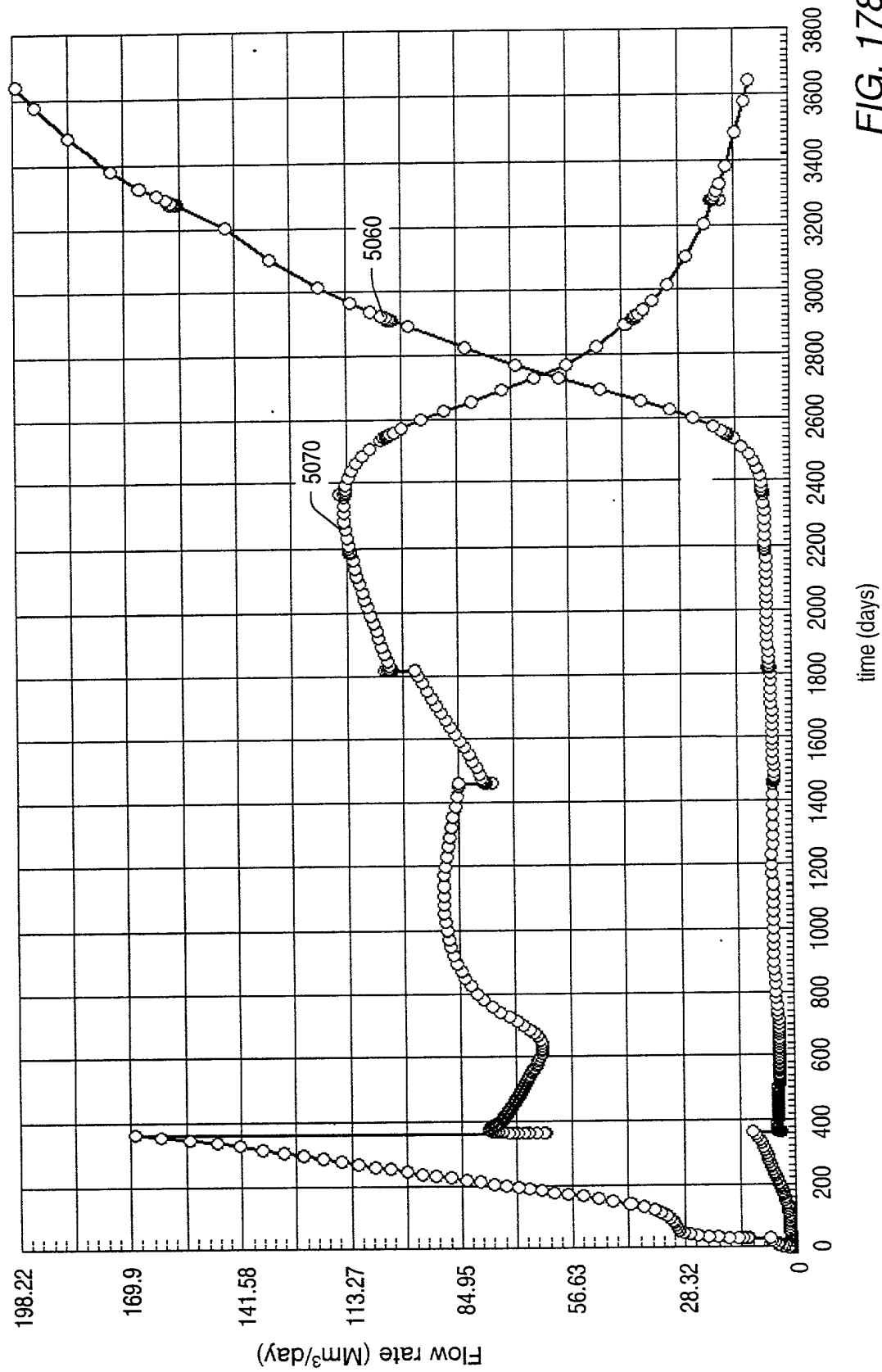


FIG. 178

104240" 96274860

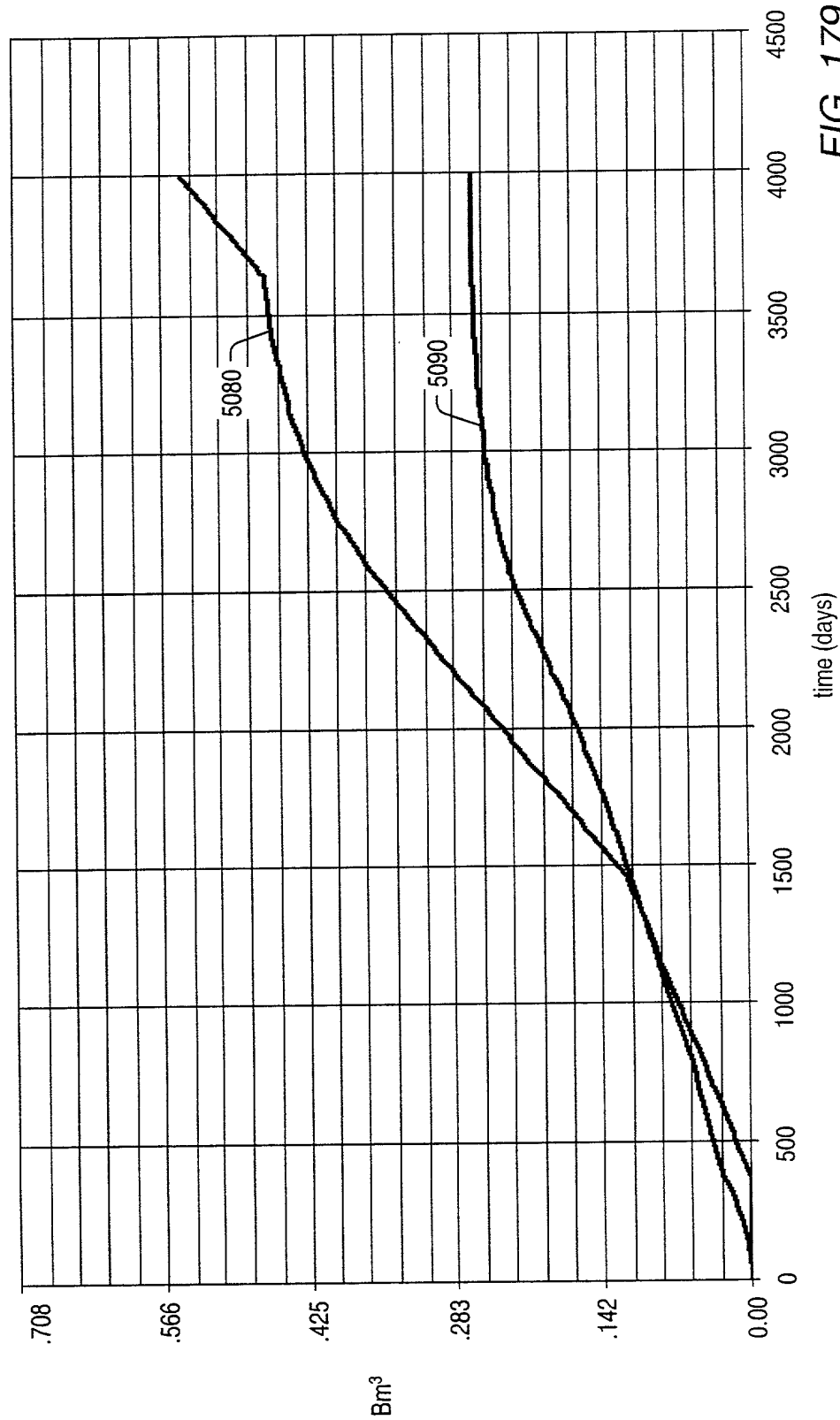


FIG. 179



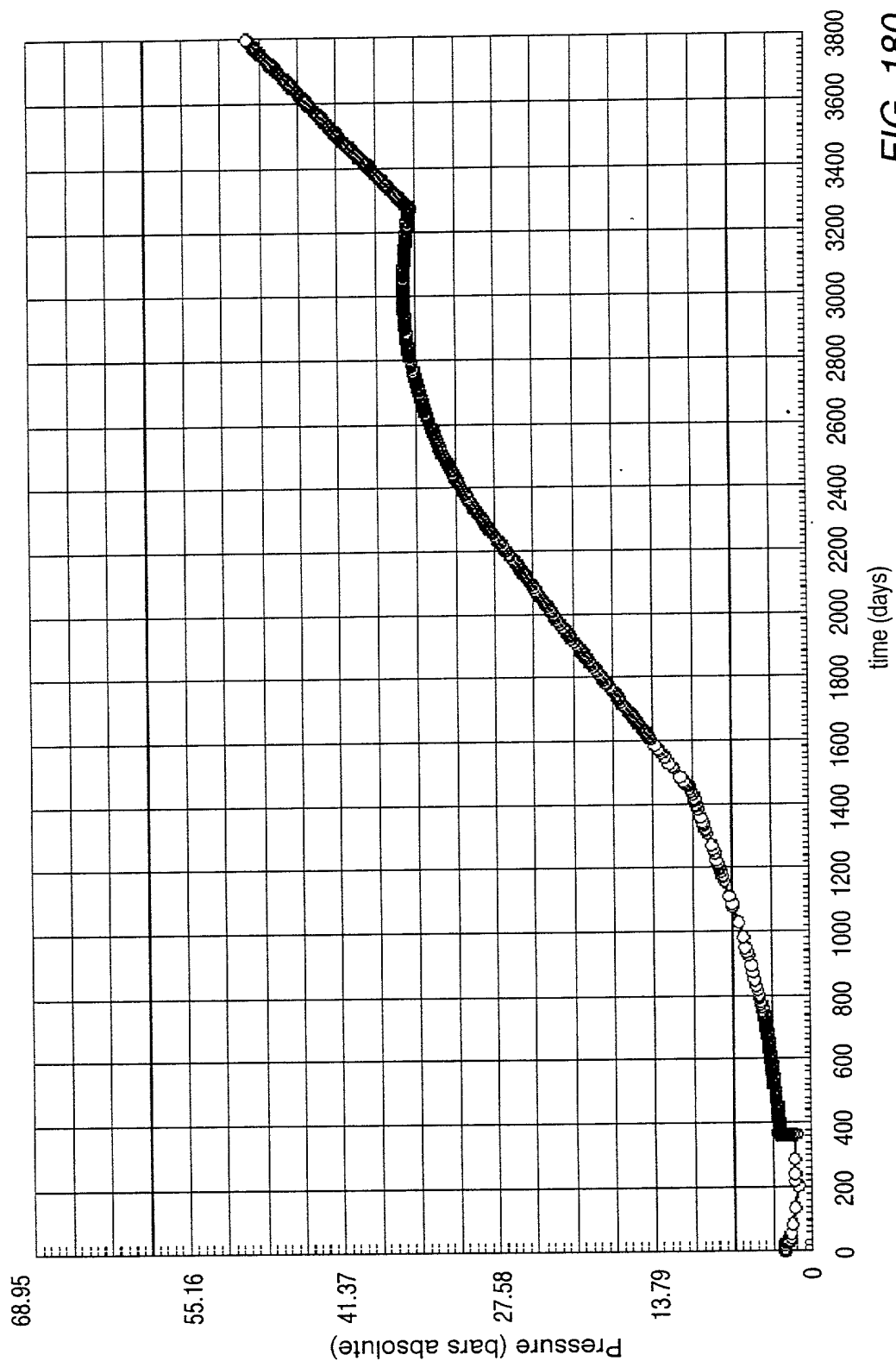


FIG. 180

04240" 96274860

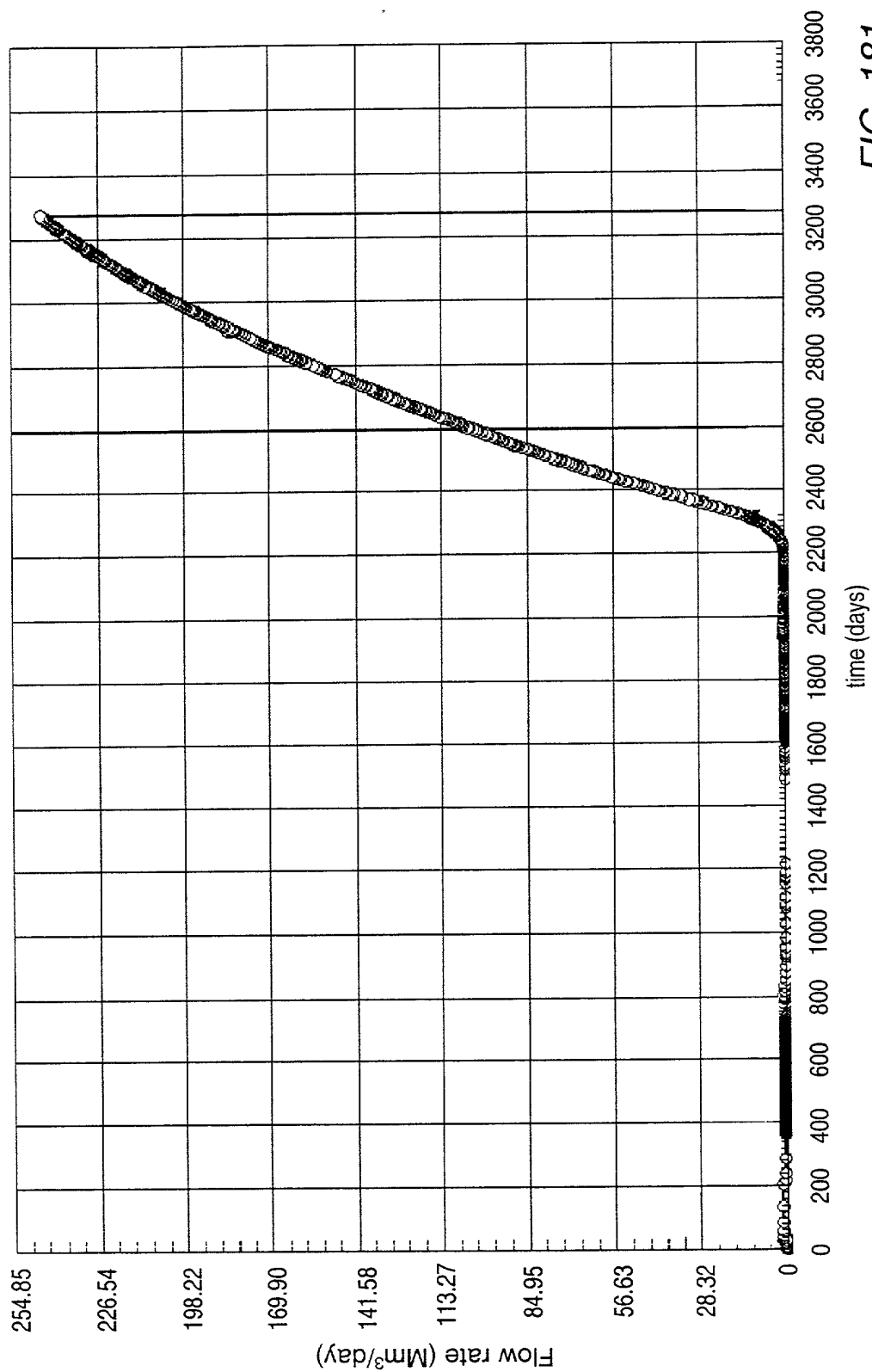


FIG. 181

TD4240" 962F1860

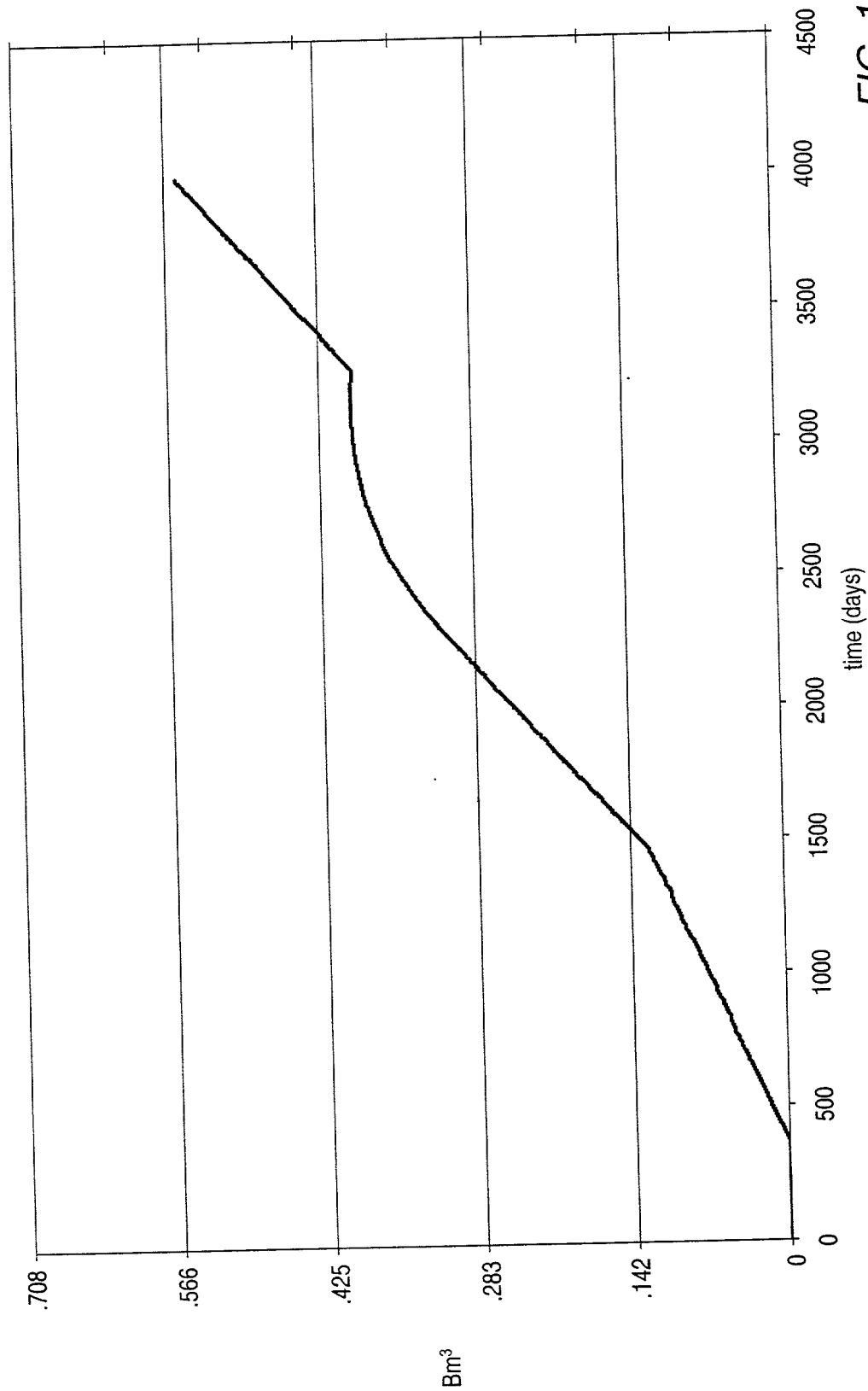


FIG. 182